WAUKESHA

JULY 2013

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details

Section No. 3 Estimate of Quantities Miscellaneous Quantities

Right of Way Plat Plan and Profile Section No. 5

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 48

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

HARTBROOK DRIVE

CTH "E" TO CTH "KC" **LOCAL STREET**

WAUKESHA COUNTY

STATE PROJECT NUMBER 2713-00-70

R-18-E



A.A.D.T.	2013	=	7,100
	0077		7.00

A.A.D.T. 7,800 D.H.V. = 50/50 D.D.

DESIGN SPEED = 35

ESALS = 635,100

CONVENTIONAL SYMBOLS

CORPORATE LIMITS PROPERTY LINE

LOT LINE EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

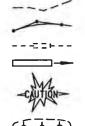
REFERENCE LINE

EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

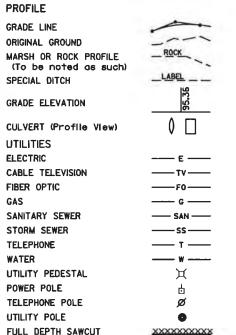
MARSH AREA

WOODED OR SHRUB AREA

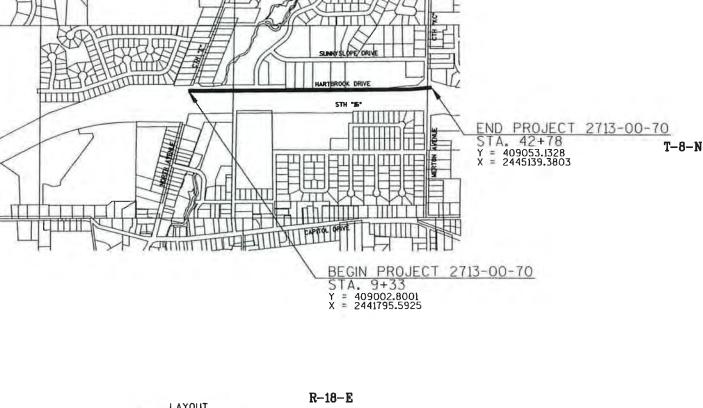


WATER

CHAINLINK FENCE



T-8-N



LAYOUT 1/8 Ml. 1/4 Ml.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM (WSPCS), SOUTH ZONE, NAD 27." $\,$

TOTAL NET LENGTH OF CENTERLINE = 0.634 MI. (URBAN)

ACCEPTED FOR

HARTLAND

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2013341

STATE PROJECT

2713-00-70

DIRECTOR OF PUBLIC WA

W233 N2080 Redoverse Parking + Walkerha, Wi 53188-10 (282) 542-6733 Far (244-44-64) - www.nekeri-meka.co.

SCONS

JERAD

WEGNER

E-42080

WAUKESHA

W

ONALE

SSONALE

SSONALE

(33 (0ate)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor Designer

Management

RUEKERT/MIELKE

RUEKERT/MIELKE

DAAR ENGINEERING, INC

Consultant C.O. Examiner

ORDER OF SECTION 2 SHEETS

GENERAL NOTES

TYPICAL SECTIONS

PAVEMENT MARKING

TRAFFIC CONTROL

ALIGNMENT LAYOUT

CONSTRUCTION DETAILS

OTHER CONTACTS

MR. MIKE EINWECK, P.E.
VILLAGE OF HARTLAND, DEPT. OF PUBLIC WORKS
DIRECTOR OF PUBLIC WORKS
210 COTTONWOOD AVENUE
HARTLAND, WI 53029
PHONE: (262) 367-4880
FAX: (262) 367-2430
E-MAIL: mikee@villageofhartland.com

MR. MIKE GERSZEWSKI
VILLAGE OF HARTLAND, DEPT. OF PUBLIC WORKS
OPERATIONS SUPERVISOR
210 COTTONWOOD AVENUE
HARTLAND, WI 53029
PHONE: (262) 367-4750
FAX: (262) 367-2430
E-MAIL: mikeg@villageofhartland.com

MR. DAVE FELKNER
VILLAGE OF HARTLAND
WATER UTILITIES FOREMAN
210 COTTONWOOD AVENUE
HARTLAND, WI 53029
PHONE: (262) 367-4750
FAX: (262) 367-2430
E-MAIL: davef@villageofhartland.com

MR. JOHN WASHBURN
SOUTHEASTERN WISCONSINS REGIONAL
PLANNING COMMISSION
QUARTER SECTION MONUMENT
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 547-6721
FAX: (262) 547-1103
E-MAIL: jwashburn@sewrpc.org

MR. RYAN AMTMANN, P.E.
RUEKERT-MIELKE, VILLAGE ENGINEER
W233 N2080 RIDGEVIEW PARKWAY
WAUKESHA, WI 53188
PHONE: (262) 542-5733
FAX: (262) 542-5631
E-MAIL: ramtmann@ruekert-mielke.com

MR. JERAD WEGNER, P.E. RUEKERT-MIELKE W233 N2080 RIDGEVIEW PARKWAY WAUKESHA, WI 53188 PHONE: (262) 542-5733 FAX: (262) 542-5631 E-MAIL: jwegner@ruekert-mielke.com

UTILITY CONTACT LIST

MR. JOHN RUSSERT
TIME WARNER CABLE
1320 N. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: (414) 277-4245
FAX: (414) 277-0638
E-MAIL: john.russert@twcable.com

MR. JOE DABLE
WE ENERGIES (GAS OPERATIONS)
500 SOUTH 116TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 944-5543
FAX: (262) 574-3109
E-MAIL: joe.dable@we-energies.com

MR. TERRY CONNELLY
WE ENERGIES (ELECTRIC OPERATIONS)
S13 W33800 HIGHWAY 18
DELAFIELD, WI 53018
PHONE: (262) 968-5771
FAX: (262) 968-5714
E-MAIL: terry.Connelly@we-energies.com

MR. CRAIG WEBSTER
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
141 NW BARSTOW STREET, ROOM 180
WAUKESHA, WI 53188
PHONE: (262) 574-2141
FAX: (262) 574-2128
E-MAIL: craig.webster@wisconsin.gov



Toll Free (800) 242-8511

-Milwaukee Area (414) 259-1181 Dial 81

Hearing Impaired TDD (800) 542-2289

www.DiggersHotline.com

MR. TOM CROWELY AT&T WISCONSIN 2005 PEWAUKEE ROAD WAUKESHA, WI 53188 PHONE: (262) 896-7427 FAX: (414) 535-5197 E-MAIL: tc1657@att.com

PROJECT NO: 2713-00-70 HARTBROOK DRIVE COUNTY: WAUKESHA GENERAL NOTES SHEET **E**

FILE NAME : G:\C3D\09_HARTLAND\10001\DWG\Z-001-CONTACTS.DWG PLOT NAME: PLOT SCALE:---- WISDOT/CADDS SHEET 42

GENERAL NOTES

1. NO TREES OR SHRUBS SHALL BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

4. WHEN THE QUANTITY OF HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

5. TACK COAT SHALL BE APPLIED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT. SEE STANDARD SPECIFICATIONS FOR APPLICATION RATE.

6. EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND.

7. HMA PAVEMENT AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PAVING DETAILS OR AS DIRECTED BY THE ENGINEER.

8. A FULL-DEPTH SAW JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

9. ALL CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE UNLESS OTHERWISE

10. CURB AND GUTTER PLAN GRADES ARE AT THE FLANGE LINE.

11. INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER SDD "INLET PROTECTION TYPE B AND D", OR AS DIRECTED BY THE ENGINEER.

12. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

13. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

14. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.

15. ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS, AND PERFORMANCE GRADE.

-	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION	PERFORMANCE GRADE
	5.0"	2 1/2 " UPPER LAYER 2 1/2" LOWER LAYER	12.5 MM 19.0MM	PG 58-28 PG 58-28

16. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAN.

STANDARD ABBREVIATIONS

A.D.	ALGEBRAIC DIFFERENCE IN GRADIENTS
ASPH	ASPHALT
вос	BOTTOM OF CROSSWALK
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C & G	CURB AND GUTTER
C/L	CENTER OF CONSTRUCTION LINE
CONC	CONCRETE
CP	CONTROL POINT
CY	CUBIC YARD
D	DELTA
DL	DRIVING LANE
DR	DRIVE
EBS	EXCAVATION BELOW SUBGRADE
ELEV.	ELEVATION
EP	END PROJECT
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
нс	HORIZONTAL CLEARANCE
НМА	HOT MIX ASPHALT
HP	HIGH POINT
INV	INVERT
IP	IRON PIPE
к	RATE OF VERTICAL CURVATURE
LC	LATERAL CLEARANCE
LT	LEFT
M/L	MATCHLINE
MIN	MINIMUM
P/L	PROPERTY LINE
PAVT	PAVEMENT
PC	POINT OF CURVE
PL	PARKING LANE
PLE	PERMANENT LIMITED EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
REQD	REQUIRED
SDD	STANDARD DETAIL DRAWING
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
TLE	TEMPORARY LIMITED EASEMENT
тос	TOP OF CROSSWALK
TOW	TOP OF WALK
TYP	TYPICAL

PROJECT NO: 2713-00-70

HARTBROOK DRIVE

COUNTY: WAUKESHA

GENERAL NOTES

PLOT BY : NYENHUIS, JASON

SHEET

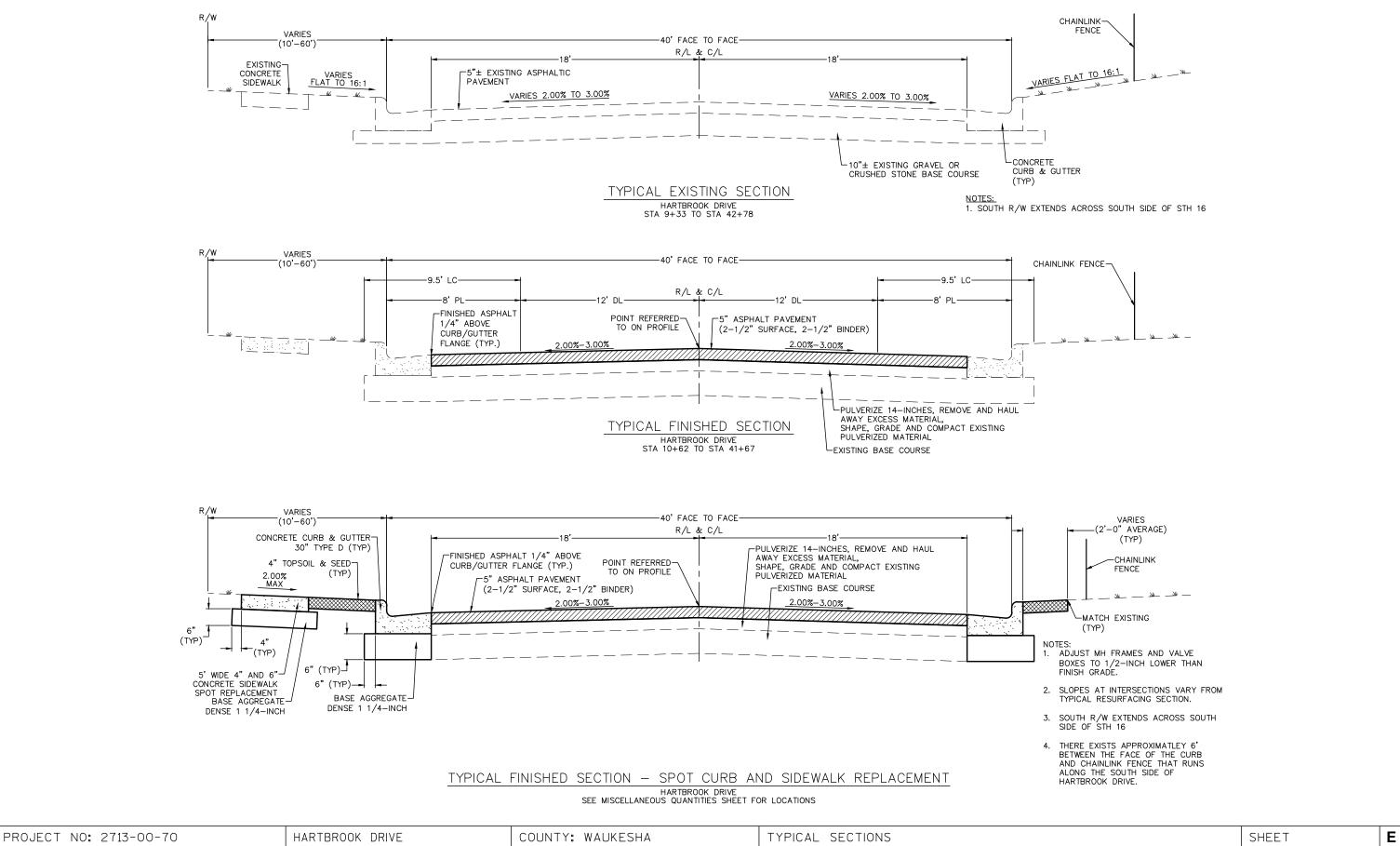
PLOT SCALE : ----

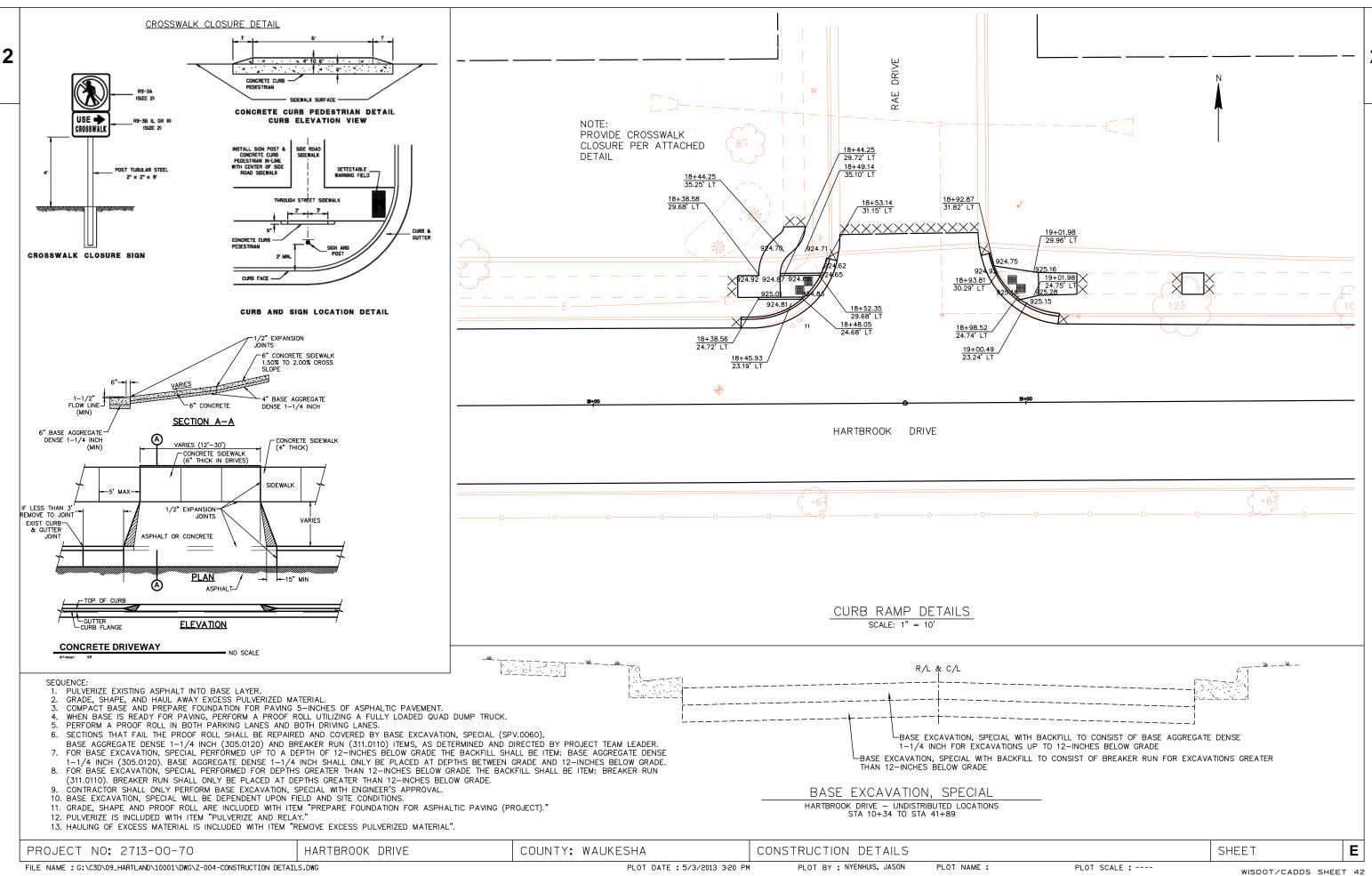
Ε

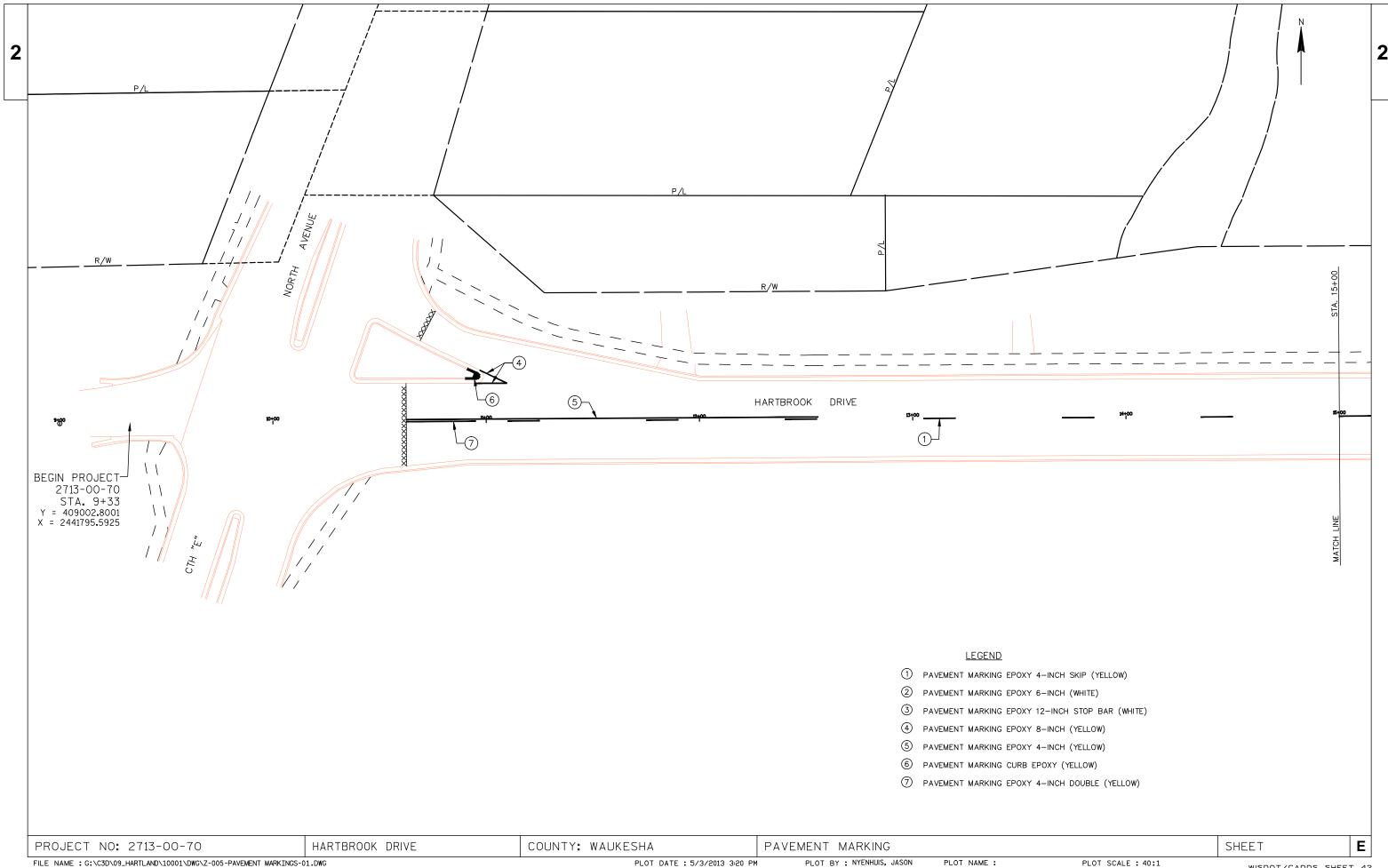
FILE NAME : G:\C3D\09_HARTLAND\10001\DWG\Z-002-GENERAL NOTES.DWG

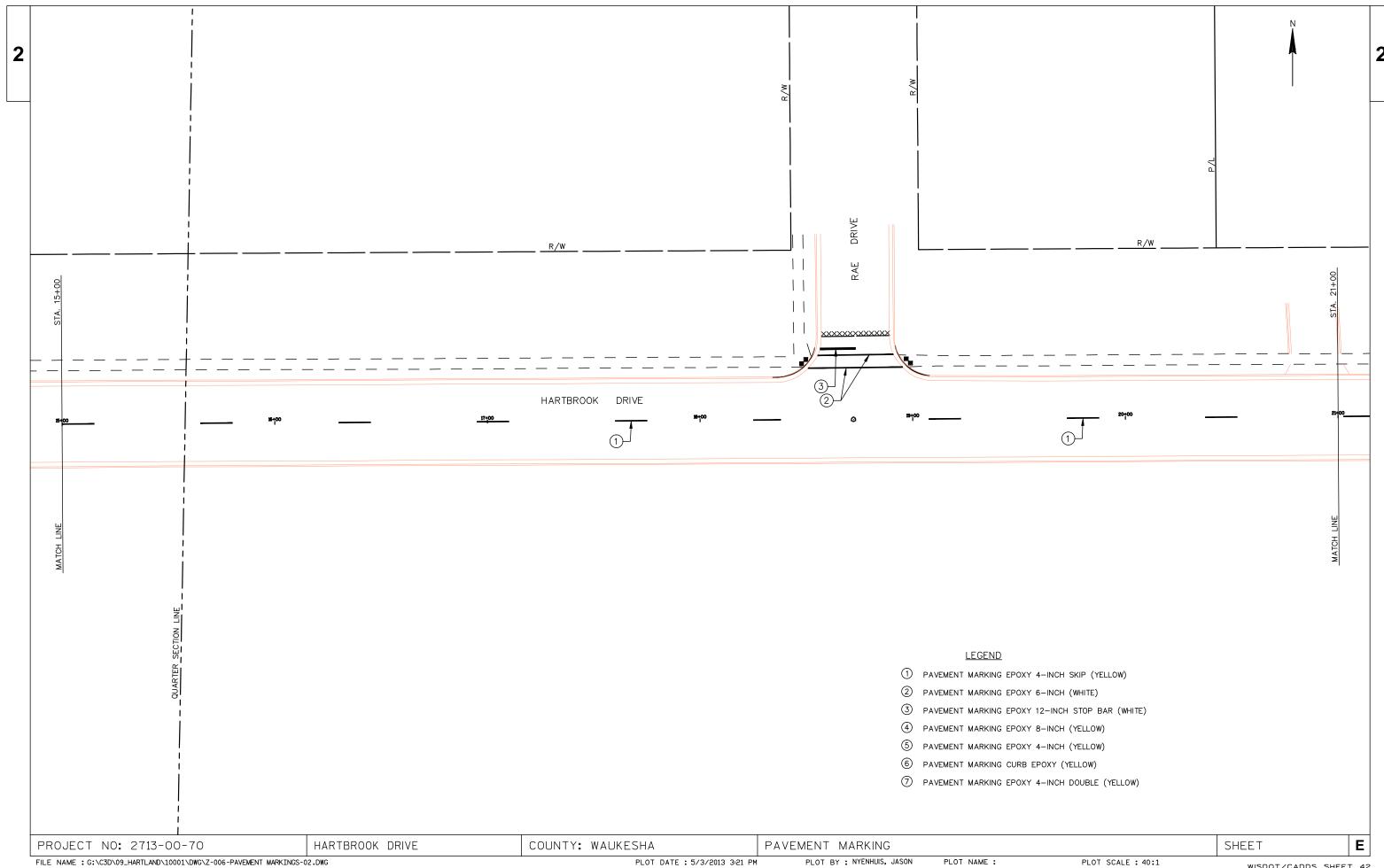
PLOT DATE : 5/3/2013 3:19 PM

PLOT NAME :





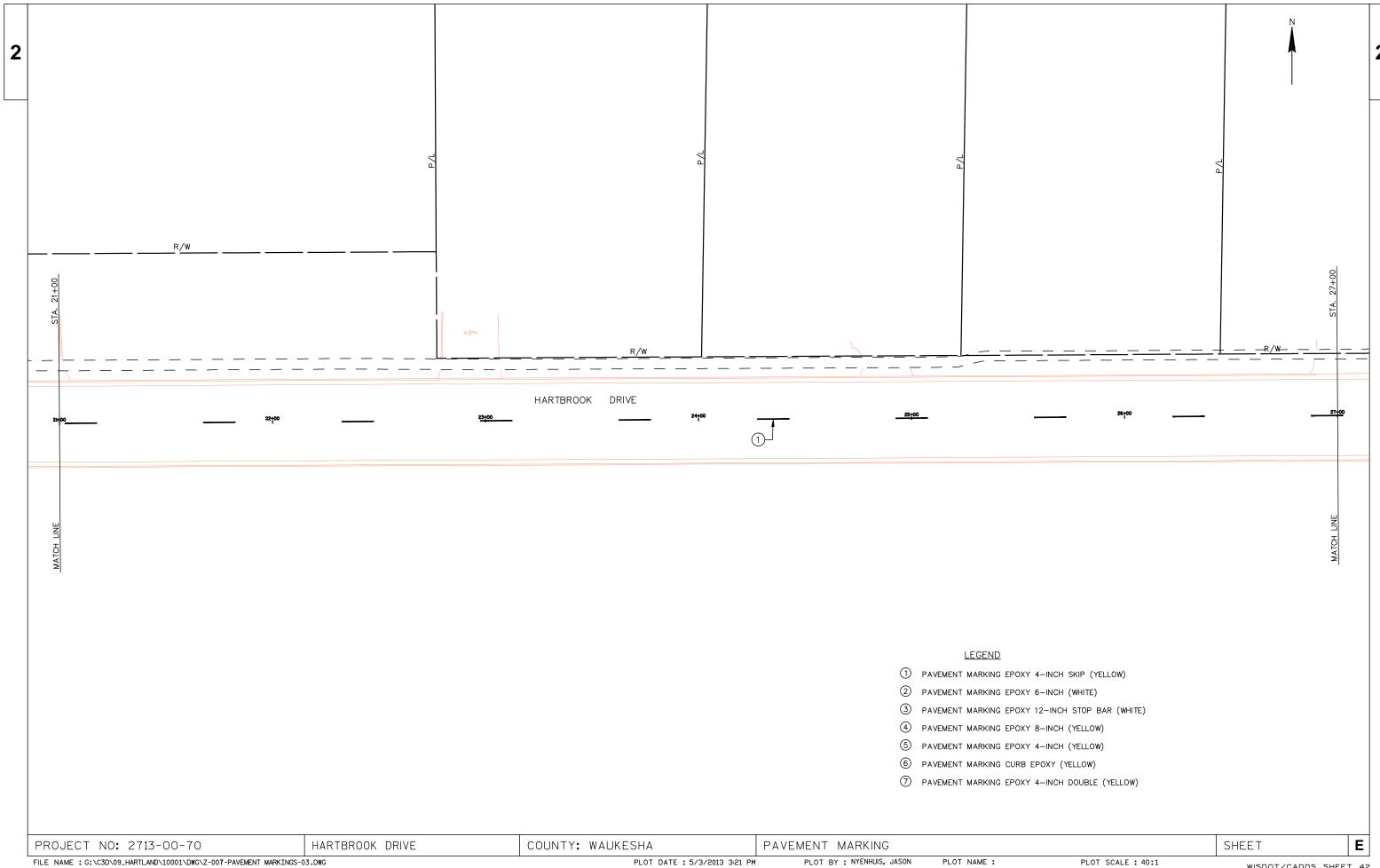


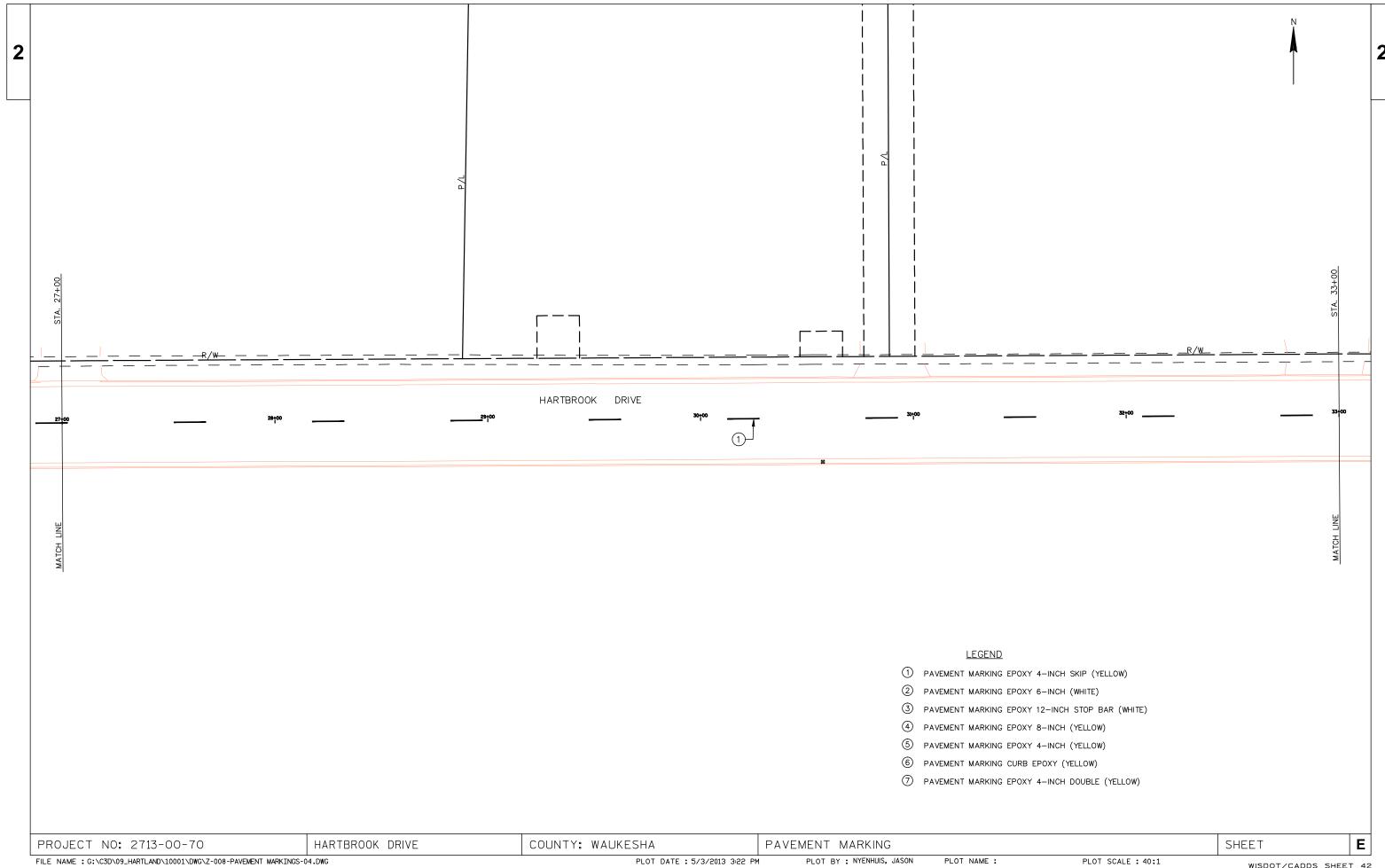


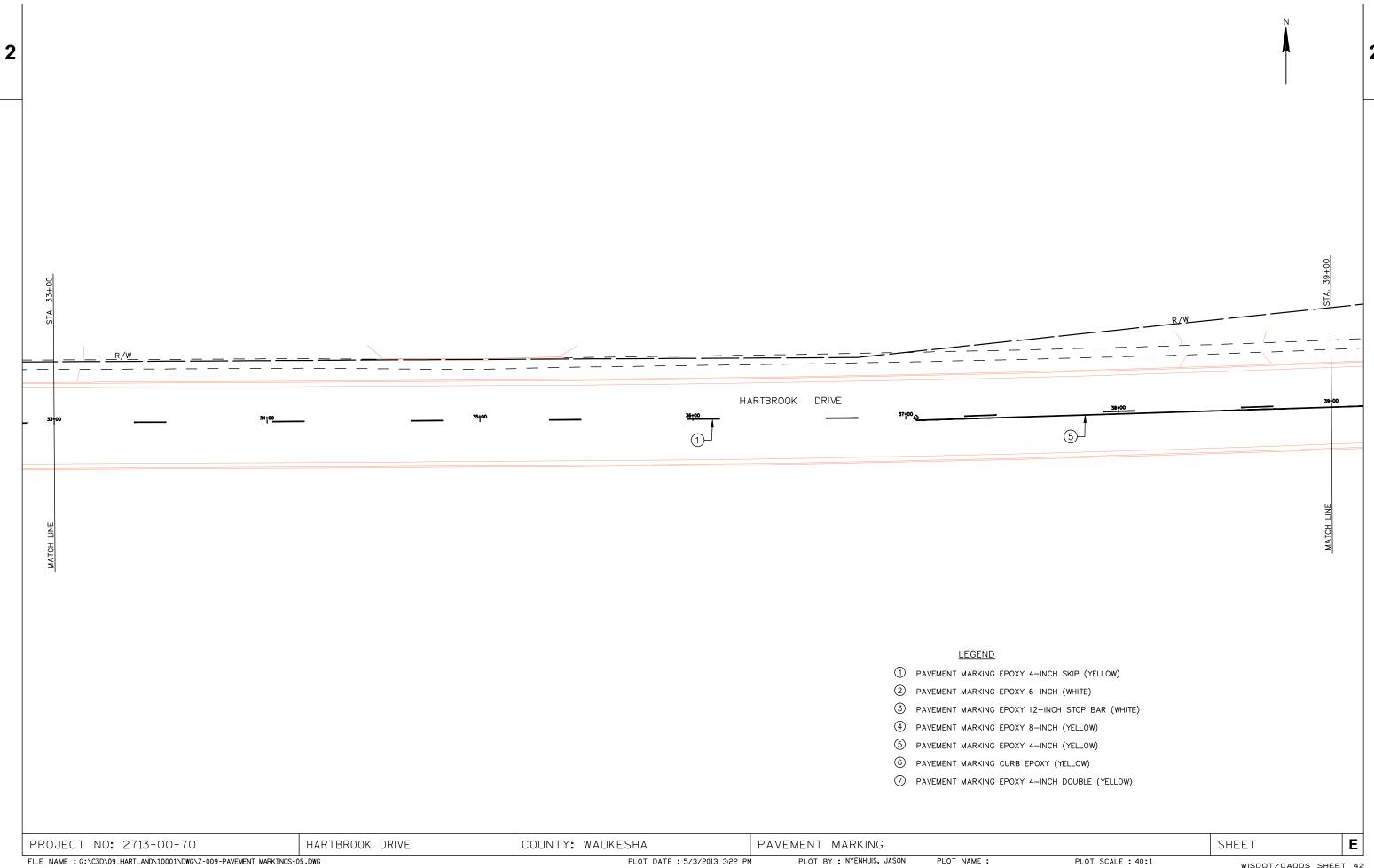
PLOT DATE : 5/3/2013 3:21 PM

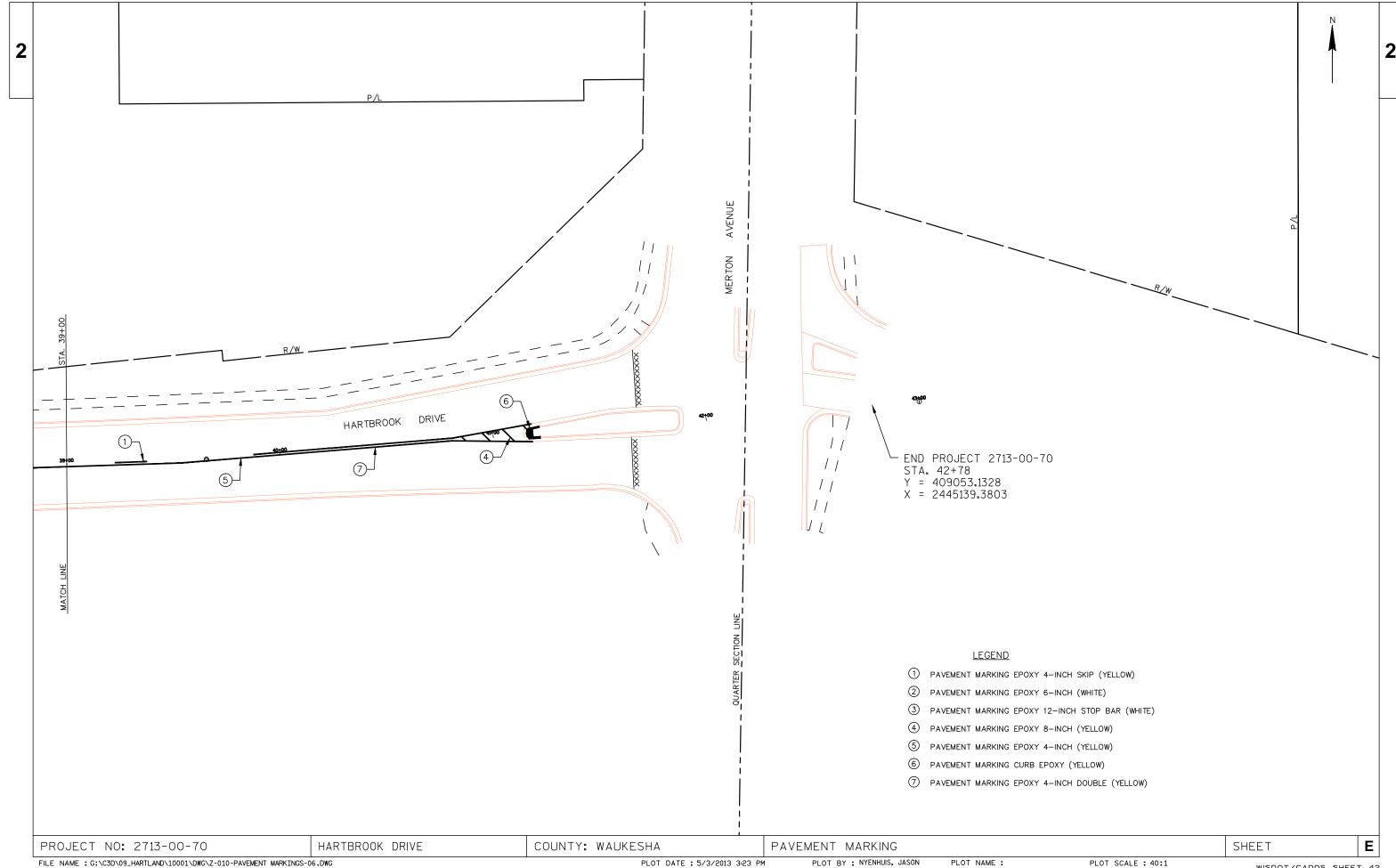
PLOT SCALE: 40:1

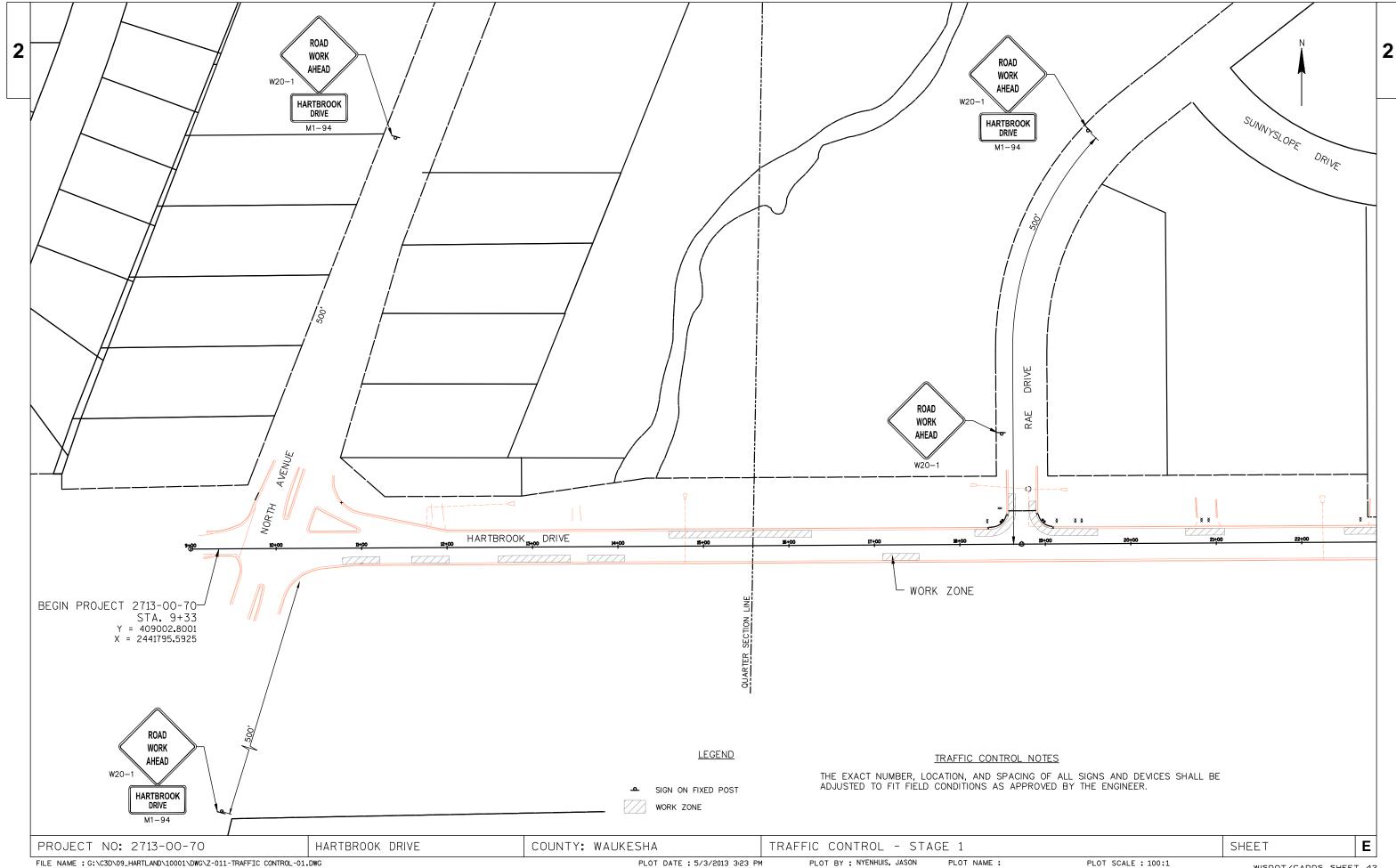
WISDOT/CADDS SHEET 42

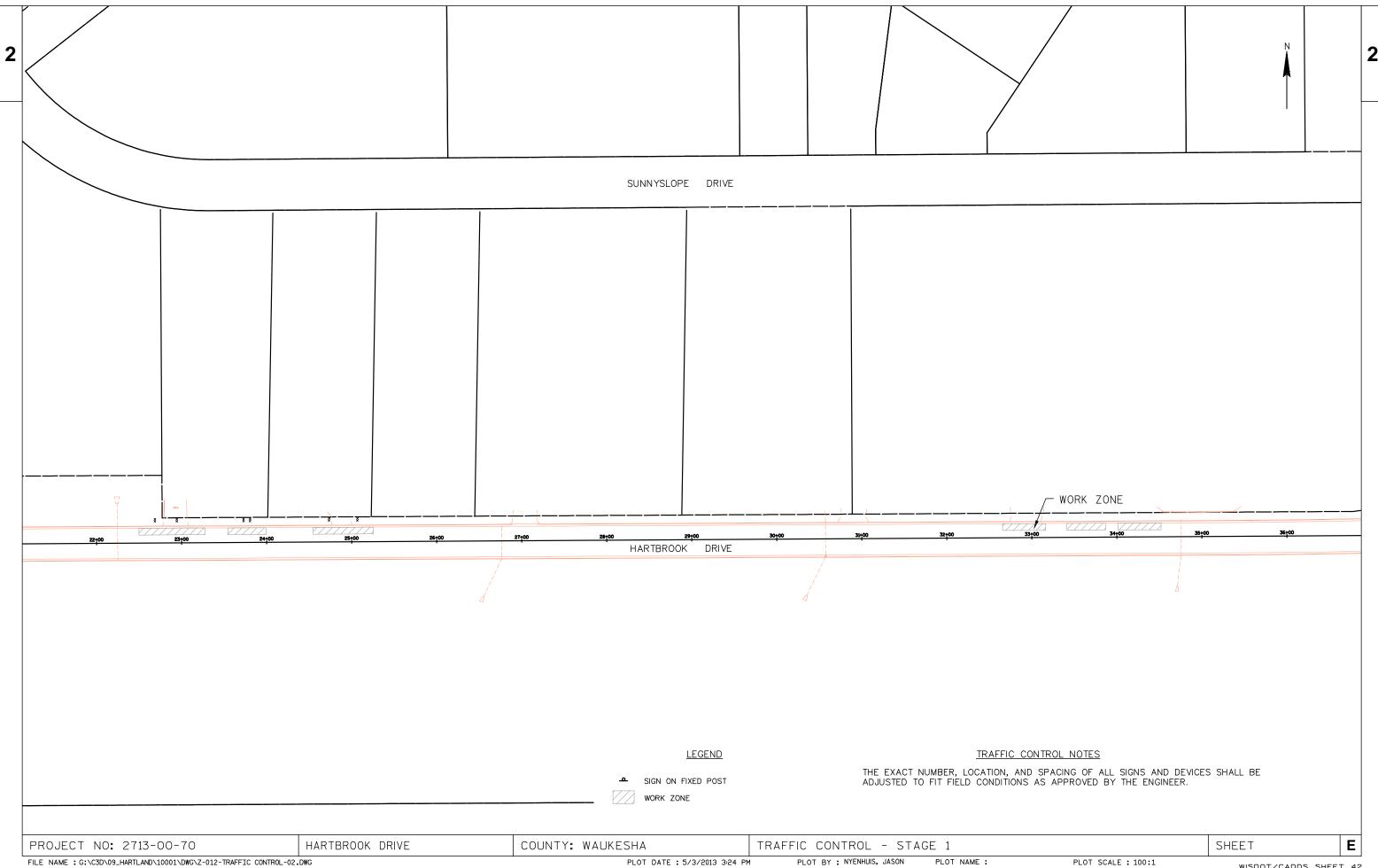


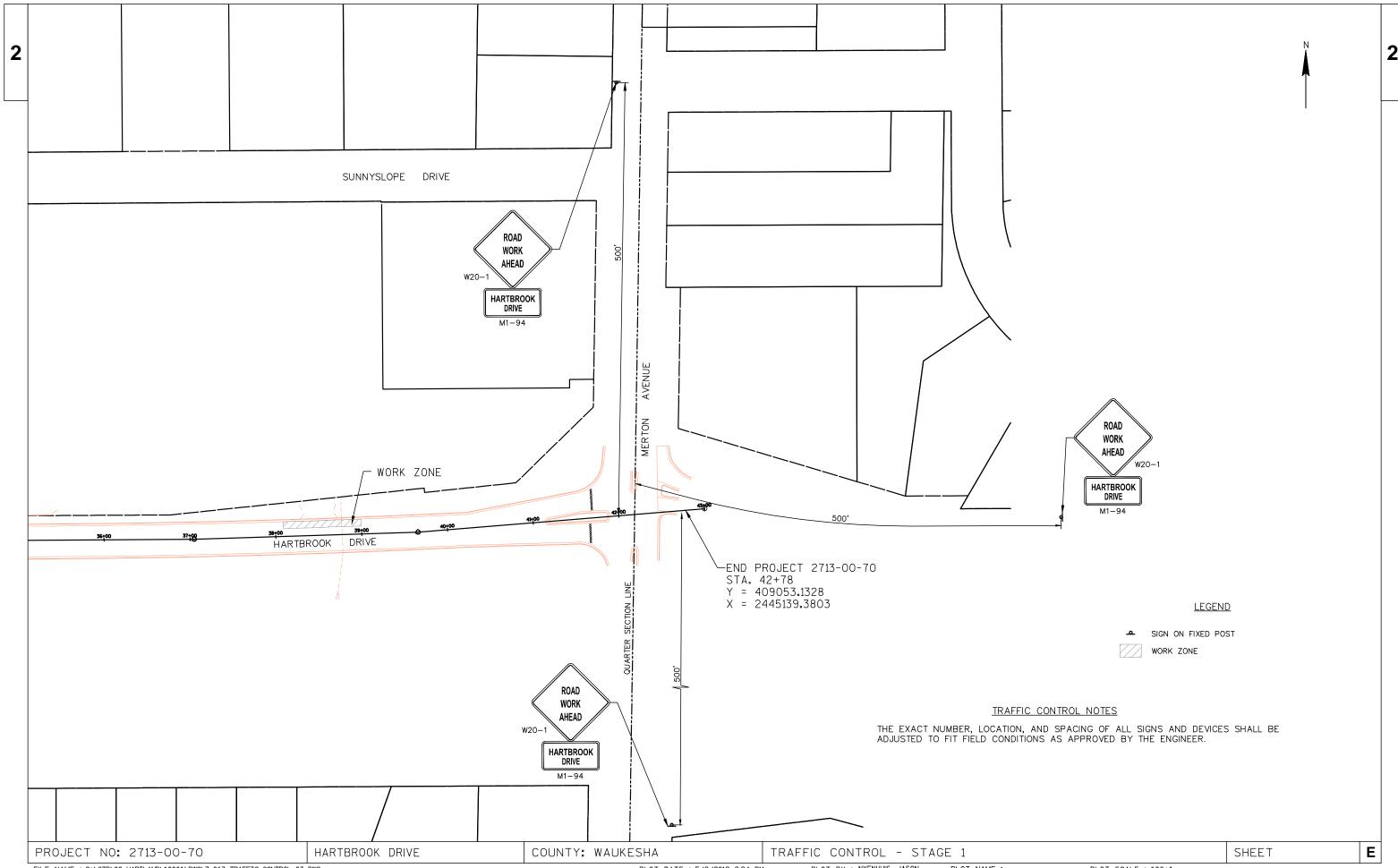




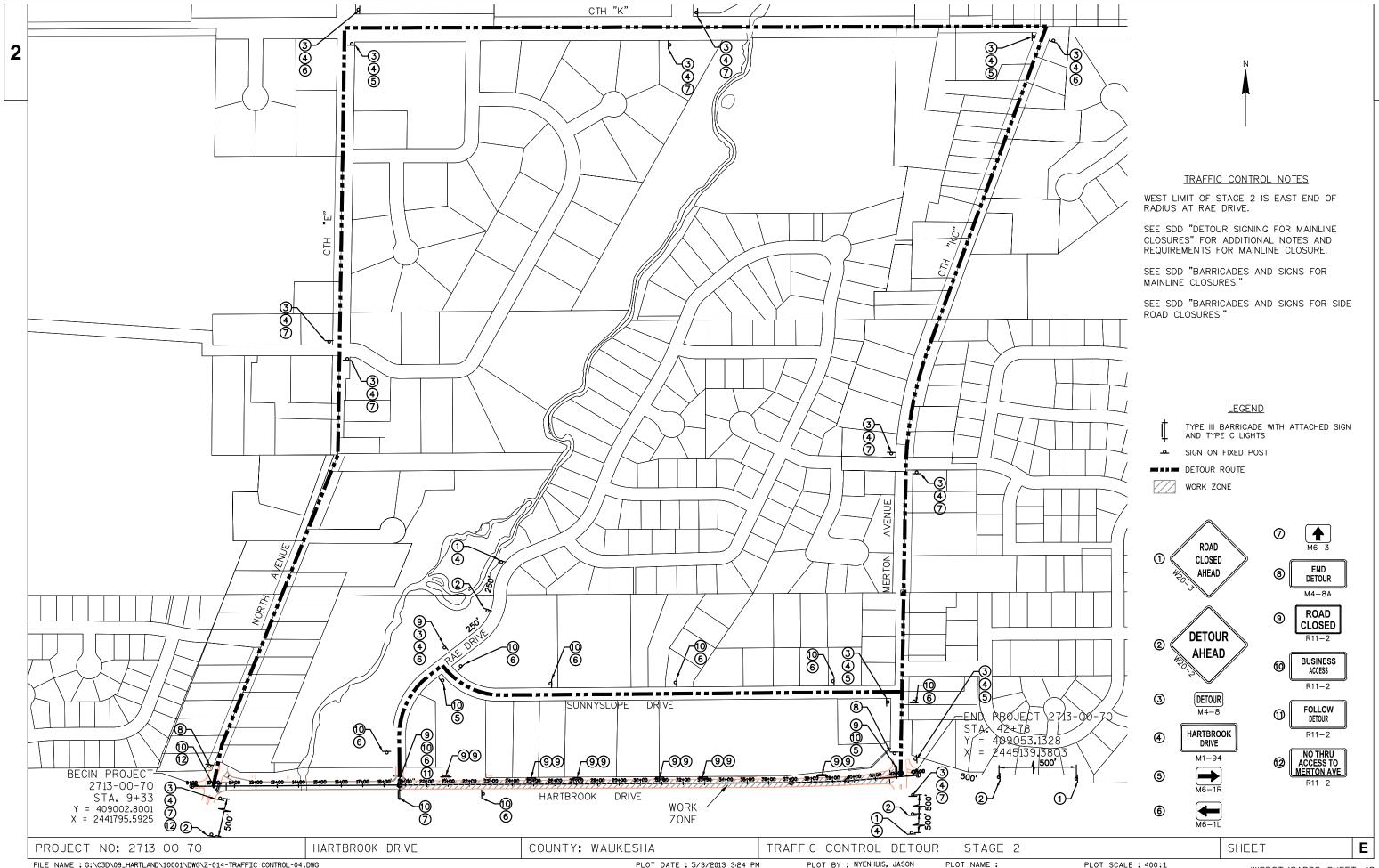


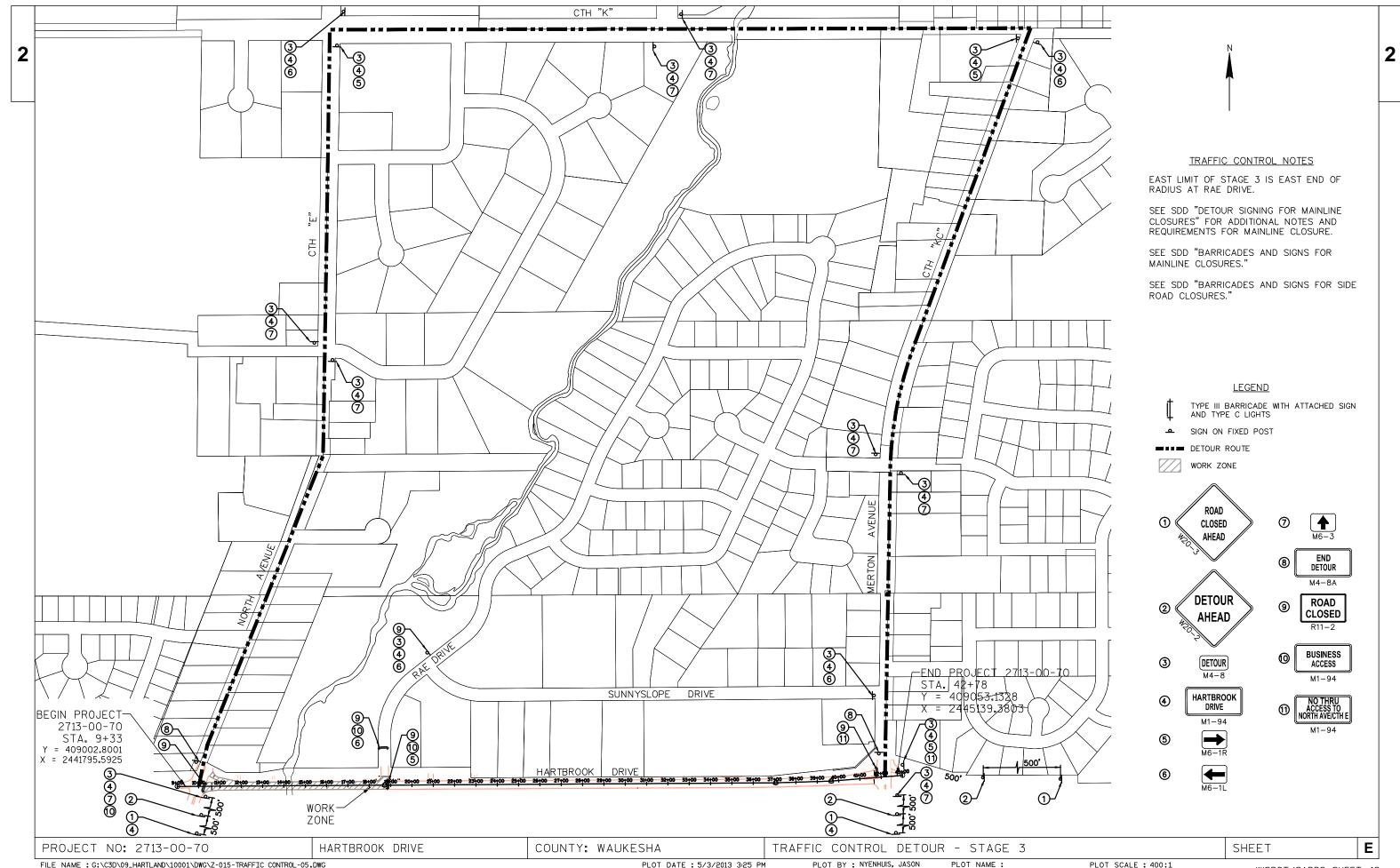


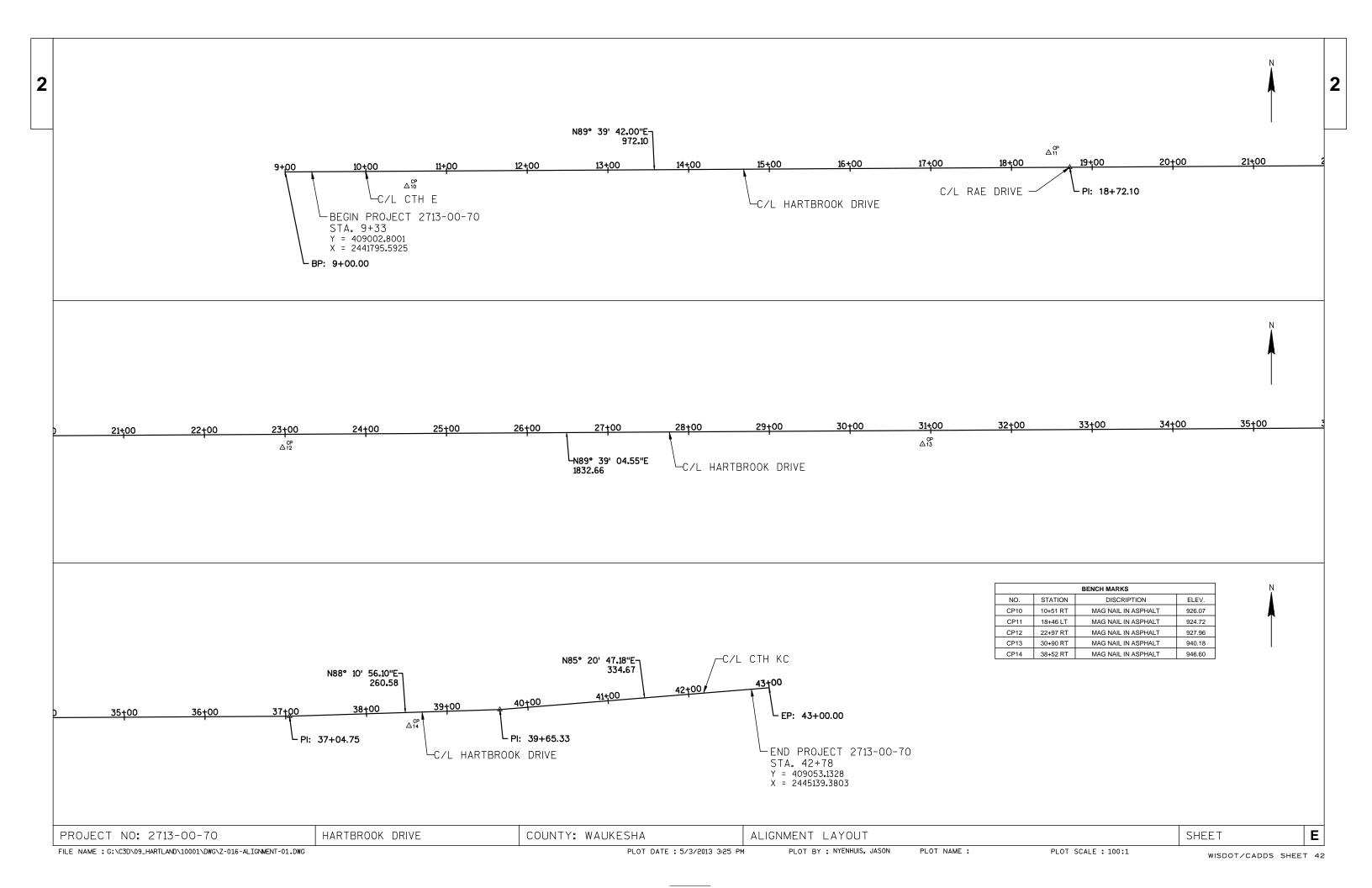




FILE NAME : G:\C3D\09_HARTLAND\10001\DWG\Z-013-TRAFFIC CONTROL-03.DWG PLOT NAME: PLOT SCALE: 100:1 WISDOT/CADDS SHEET 42



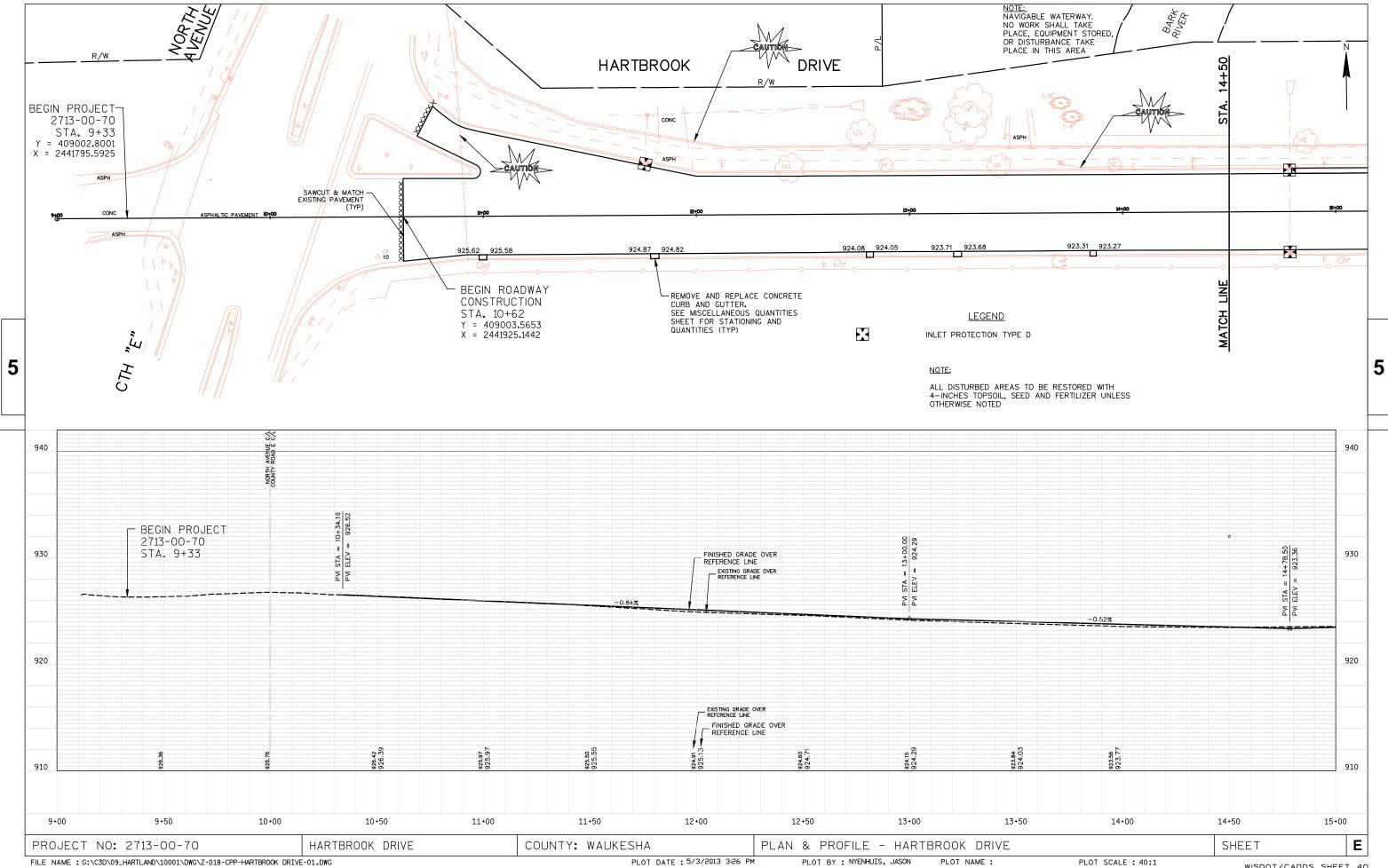


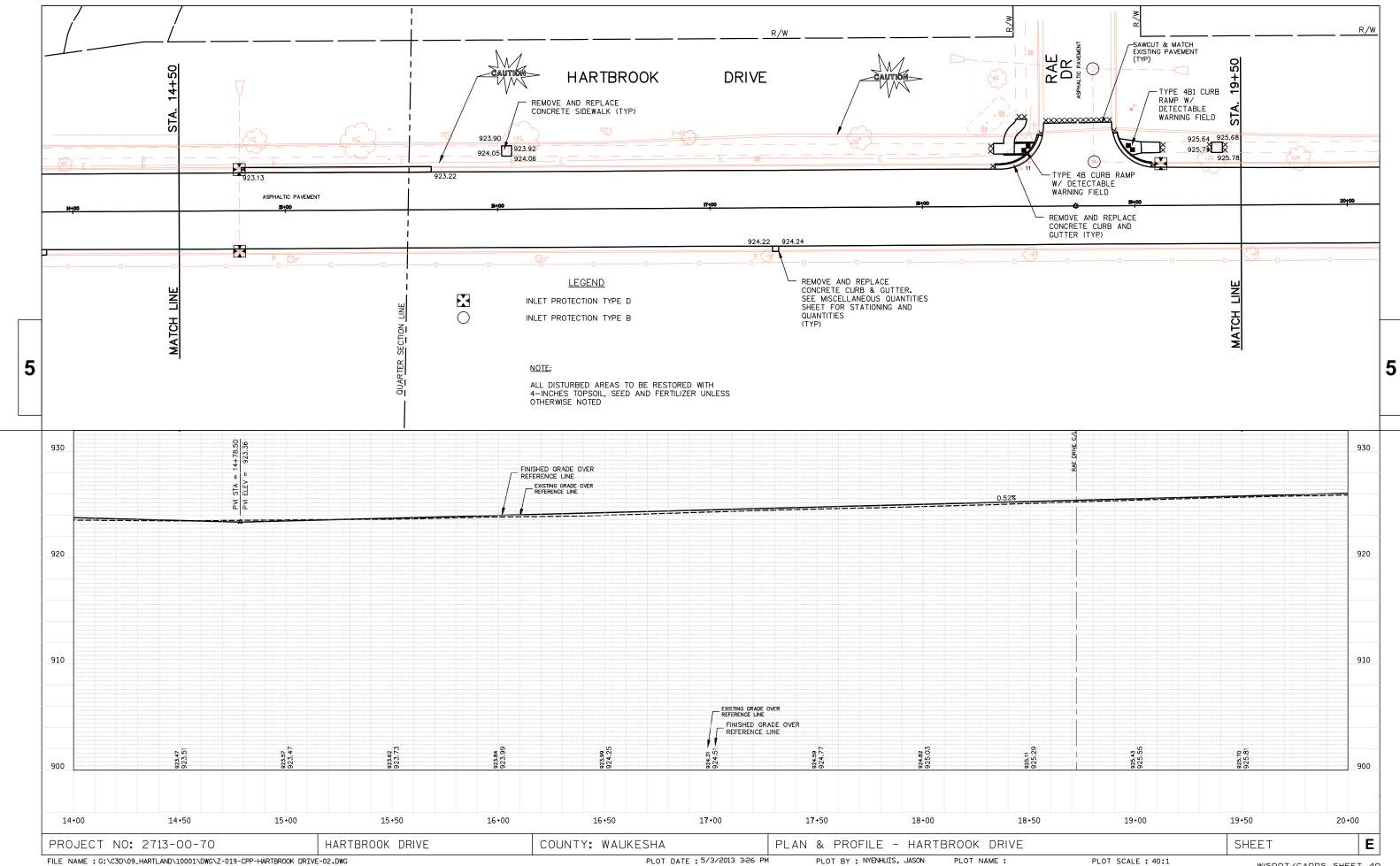


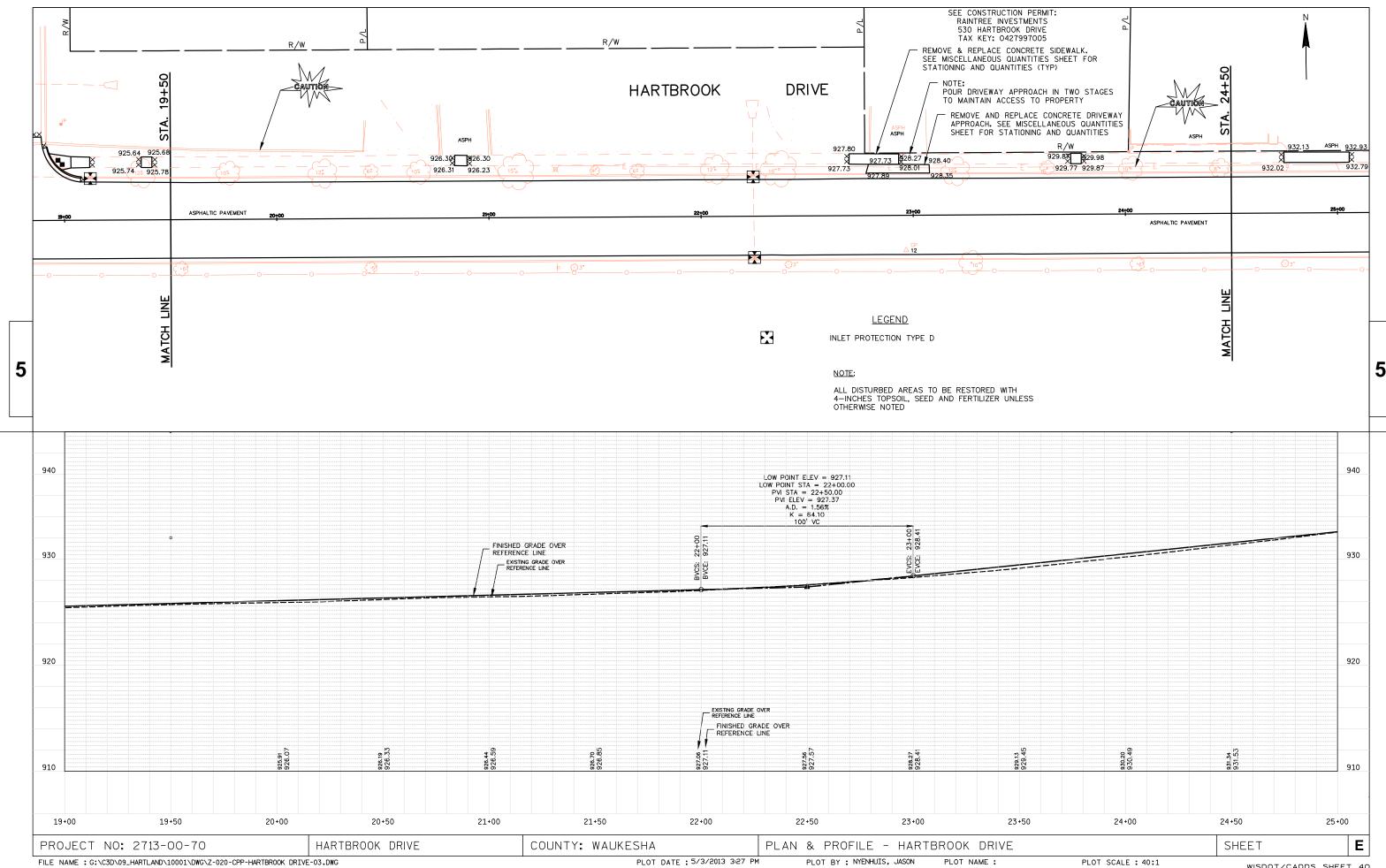
DATE 08	MAY13	EST	IMAT	E O F Q U A N		
LINE	LTEM	LTEM DESCRIPTION	LINUT	TOTAL	2713-00-70	
	ITEM	I TEM DESCRIPTION	UNIT	TOTAL	QUANTI TY	
0010	204. 0100	REMOVING PAVEMENT	SY	51. 000	51. 000	
0020	204. 0150	REMOVING CURB & GUTTER	LF	181. 000	181. 000	
0030	204. 0155	REMOVING CONCRETE SIDEWALK	SY	69. 000	69. 000	
0040	211. 0100	PREPARE FOUNDATION FOR ASPHALTIC PAVING	LS	1. 000	1. 000	
		(PROJECT) 01. 2713-00-70				
0050	305. 0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	2, 130. 000	2, 130. 000	
0060	311. 0110	BREAKER RUN	TON	375.000	375. 000	
0070	325. 0100	PULVERIZE AND RELAY	SY	12, 747. 000	12, 747. 000	
0800	416. 0160	CONCRETE DRIVEWAY 6-INCH	SY	51.000	51, 000	
0090		INCENTIVE IRI RIDE	DOL	2,000.000	2,000.000	
	455. 0105					
0100	455.0105	ASPHALTIC MATERIAL PG58-28	TON	235. 000	235. 000	
0110	455 0/05	TACK COAT		400,000	400,000	
0110	455. 0605	TACK COAT	GAL	400.000	400.000	
0120	460. 1101	HMA PAVEMENT TYPE E-1	TON	2, 125. 000	2, 125. 000	
0130	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	2, 500. 000	2, 500. 000	
0140	601. 0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	181. 000	181. 000	
0150	602. 0405	CONCRETE SI DEWALK 4-I NCH	SF	355. 000	355. 000	
2100	302. 3400	SOURCE OF DEMMER 1 THOR	J.	333. 000	333. 000	
0160	602. 0415	CONCRETE SIDEWALK 6-INCH	SF	250. 000	250. 000	
0170			SF	16. 000	16. 000	
0170	602. 0505	CURB RAMP DETECTABLE WARNING FIELD	JF.	10.000	10.000	
0100	/11 0110	YELLOW	FACU	4 000	4 000	
0180	611. 8110	ADJUSTING MANHOLE COVERS	EACH	1. 000	1. 000	
0190	619. 1000	MOBI LI ZATI ON	EACH	1. 000	1. 000	
0200	623.0200	DUST CONTROL SURFACE TREATMENT	SY	12, 747. 000	12, 747. 000	
0210	624. 0100	WATER	MGAL	135.000	135. 000	
0220	625. 0100	TOPSOI L	SY	90.000	90.000	
0230	628. 1504	SILT FENCE	LF	50. 000	50. 000	
0240	628. 1520	SILT FENCE MAINTENANCE	LF	50. 000	50. 000	
0250	628. 1905	MOBILIZATIONS EROSION CONTROL	EACH	2. 000	2. 000	
0260	628. 1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	1. 000	1. 000	
0270	628. 7010	INLET PROTECTION TYPE B	EACH	2. 000	2. 000	
0280	628. 7020	INLET PROTECTION TYPE D	EACH	14.000	14.000	
0290	629. 0205	FERTILIZER TYPE A	CWT	0. 100	0. 100	
				5. 000		
0300	630. 0140	SEEDING MIXTURE NO. 40	LB	5.000	5. 000	
0210	642 F001	FIELD OFFICE TYPE D 01 2712 00 70	EVCH	1 000	1 000	
0310	642. 5001	FIELD OFFICE TYPE B 01. 2713-00-70	EACH	1. 000	1.000	
0320	643. 0200	TRAFFIC CONTROL SURVEILLANCE AND	DAY	32. 000	32. 000	
		MAINTENANCE (PROJECT) 01. 2713-00-70				
0330	643.0300	TRAFFIC CONTROL DRUMS	DAY	1, 500. 000	1, 500. 000	
0340	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	242.000	242.000	
0350	643. 0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	242. 000	242. 000	
	5.0.07.10	Souther manner to the office of the o	2	_ 12. 000	000	
0360	643. 2000	TRAFFIC CONTROL DETOUR (PROJECT) 01.	EACH	1. 000	1.000	
	3 13. 2000	2713-00-70	_,,,,,,,	1.000	1. 500	
270	642 2000		DAY	1 104 000	1 104 000	
0370	643. 3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	1, 106. 000	1, 106. 000	
0380	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	1, 360. 000	1, 360. 000	
0390	646. 0126	PAVEMENT MARKING EPOXY 8-INCH	LF	140.000	140.000	
0400	647. 0456	PAVEMENT MARKING CURB EPOXY	LF	36.000	36.000	
0410	647. 0556	PAVEMENT MARKING STOP LINE EPOXY 12-INCH	LF	16. 000	16. 000	
0420	647. 0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	81. 000	81. 000	
0430					3, 106. 000	
	650. 5000	CONSTRUCTION STAKING BASE	LF	3, 106. 000		
0440	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000	
		CONTROL (PROJECT) 2713-00-70				
0450	690. 0150	SAWING ASPHALT	LF	138. 000	138.000	
0460	690. 0250	SAWING CONCRETE	LF	125.000	125.000	
	ASP. 1TOA	ON-THE-JOB TRAINING APPRENTICE AT \$5.	HRS	200.000	200.000	
0470			-			
0470		()()/HR				
		OO/HR ON-THE-IOR TRAINING GRADUATE AT \$5 OO/HR	HRS	200 000	200 000	
0470 0480 0490	ASP. 1T0G SPV. 0035	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR SPECIAL O1. BASE EXCAVATION, SPECIAL	HRS CY	200. 000 1, 250. 000	200. 000 1, 250. 000	

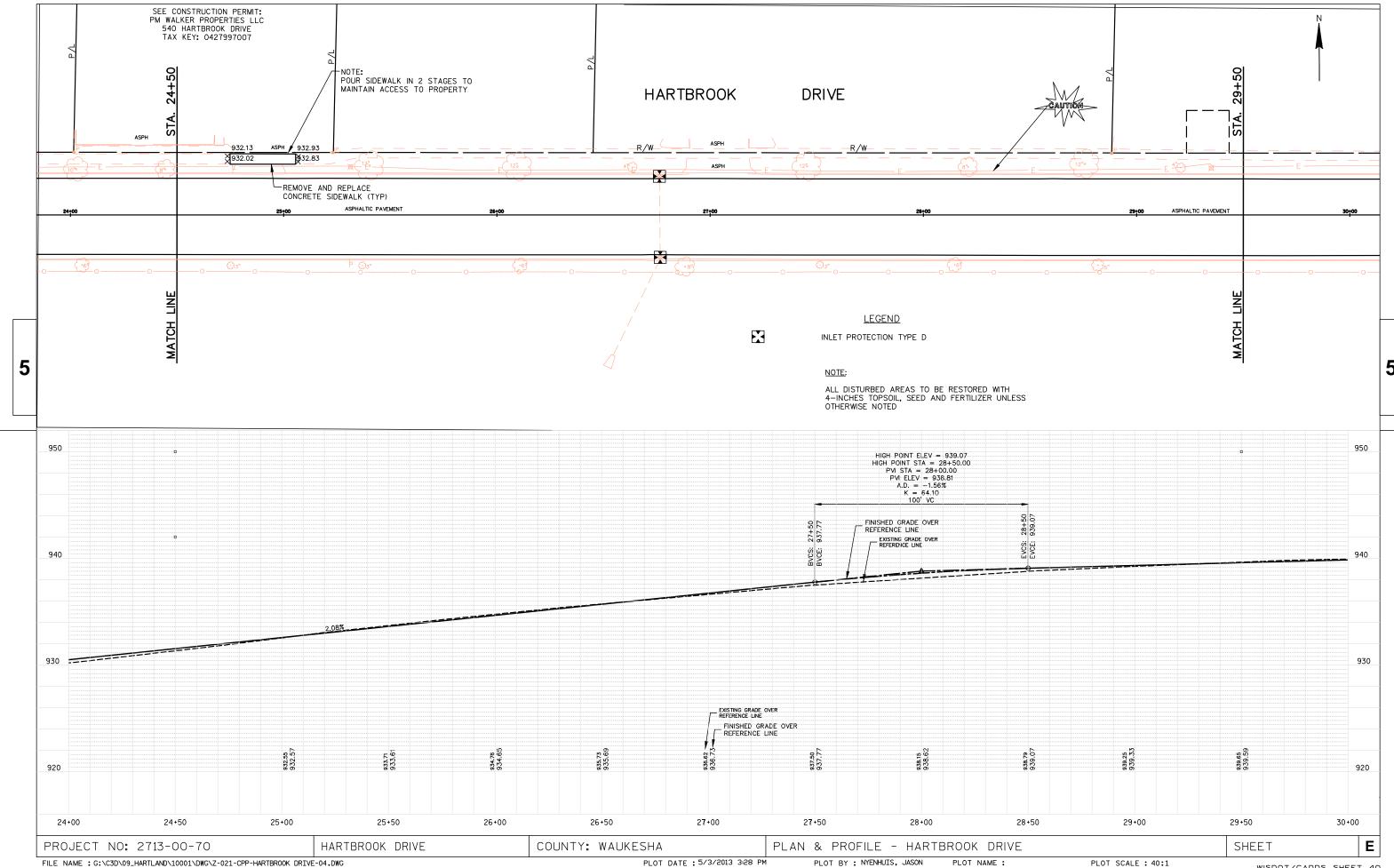
DATE 08 LINE		2.3		E O F Q U A N	2713-00-70
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0500	SPV. 0060	SPECIAL 02. CONSTRUCTION STAKING CURB RAMPS	EACH	2. 000	2. 000
0510	SPV. 0105	SPECIAL 01. CONSTRUCTION STAKING CONCRETE SIDEWALK	LS	1. 000	1. 000
0520	SPV. 0170	SPECIAL 01. PROOF ROLLING	STA	31.060	31.060
0530	SPV. 0180	SPECIAL 01. REMOVE EXCESS PULVERIZED MATERIAL	SY	12, 747. 000	12, 747. 000

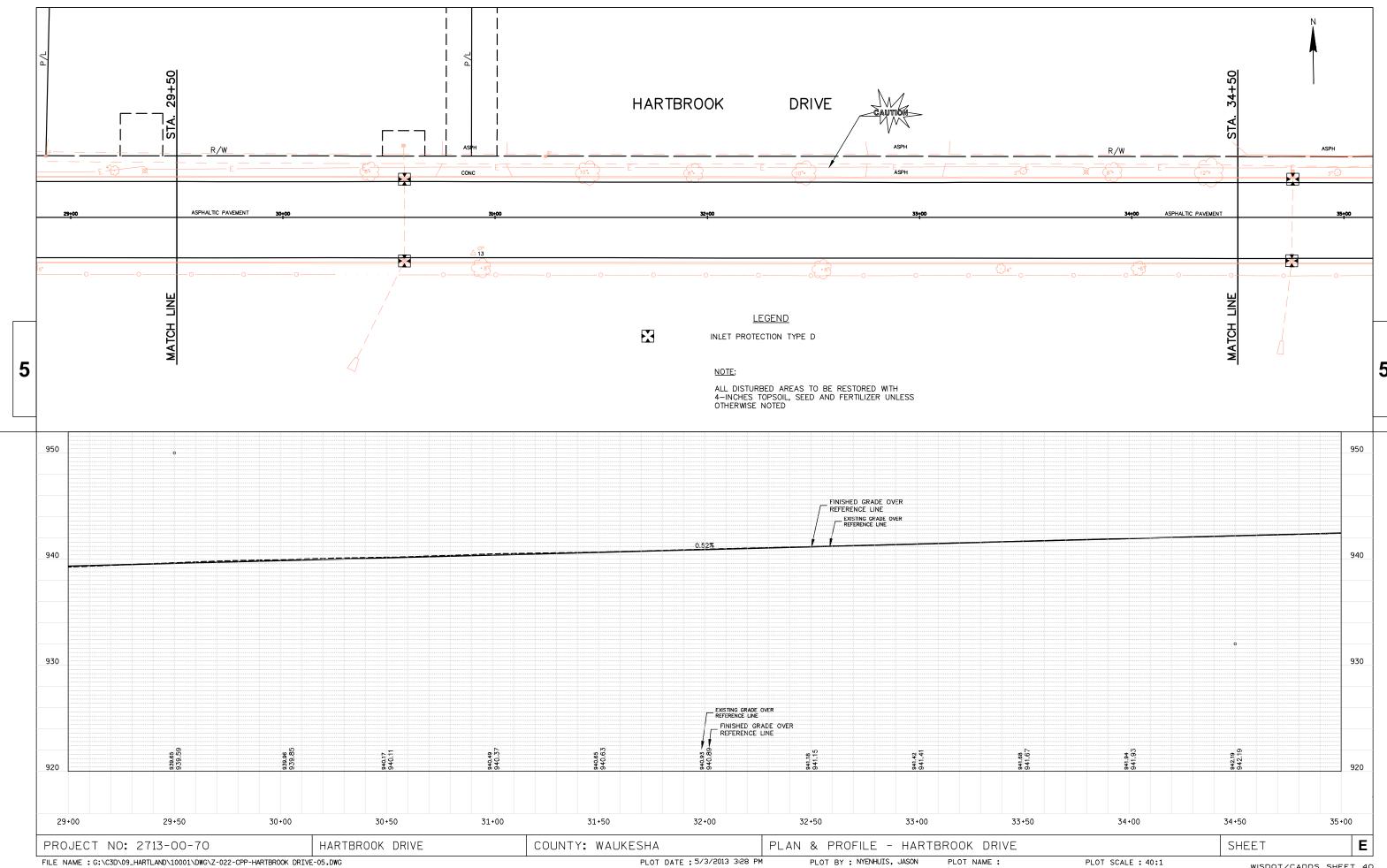
PULVERIZE, SHAPE AND REMOVE ASPHALTIC SURFACE		PAVEMENT - MATERIALS, BASE EXCAVATI	ION. SPECIAL. & BACKFILL	RESTORATION
	PREPARE FOUNDATION FOR	BASE AGGREGATE ASPHALTIC TACK BAYEMENT F	BASE PREAKED	TOPSOIL SEEDING MIXTURE FERTILIZER NO.40 TYPE A
REMOVE	ASPHALTIC	DENSE 1 1/4-INCH MATERIAL COAT TYPE E-1	SPECIAL RUN	625.0100 630.0120 629.0205
EXCESS PAVEMENT PULVERIZE PULVE		305.0120 455.0105 455.0605 460.1101 S CATION TON TON GAL TON	SPV.0035.01 311.0110 CY TON REMARKS	STATION TO STATION SY LB CWT
AREA MATERIAL AND RE			BASE AGGREGATE DENSE 1 1/4-INCH, BASE EXCAVATION, SPECIAL, AND	10+62 - 41+68 90 5 0.10 TOTALS 90 5 0.10
SPV.0180.01 325.01	0100 211.0100 SPV.0170.01 10+62 - 41+68 LT/RT HARTE	ROOK DR. 2,130 235 400 2,125	1,250 375 BREAKER RUN ARE UNDISTRIBUTED AND ARE AN ESTIMATE AND BASED UPON SOIL BORING LOGS AND SURFACE PAVEMENT CONDITION	1577.00
STATION TO STATION LT/RT LOCATION SY SY SY HARTBROOK	Y LS STA TO	OTALS 2,130 235 400 2,125	1,250 375	
10+62 - 41+68 LT/RT DR. 12,747 12,747 12,74		CONCRETE SIDEWALK AND CURB RAMP	PAVEN	IENT MARKING
TOTALS 12,747 12,747 12,747 12,747 CONCRETE DRIVEWAY APPROACH	1 31.06		CURB RAMP PAVEMENT PA	T MARKING PAVEMENT PAVEMENT MARKING PAVEMENT
CONCRETE DRIVEWAY REMOVING		SIDEWALK SIDE	WALK WARNING 4-INCH 6-IN	NCH 8-INCH 12-INCH EPOXY
6-INCH PAVEMENT			0415 602 0505	0766 648.0766 647.0556 647.0456 .F LF LF LF
416.0160 204.0100 STATION TO STATION LT/RT LOCATION OV OV			SF SF 10+62 41+25 LT/RT 1,360	
LOCATION SY SY		16+02 - 16+07 LT HARTBROOK 25 18+34 - 18+53 LT HARTBROOK 140	8 10+90 - 11+19 LT 8 10+90 - 11+00 LT	40
22+77 - 23+08 LT HARTBROOK DR. 19 19		18+94 - 19+13 LT HARTBROOK 90	8 18+51 - 18+96 LT 8	
38+28 - 38+72		19+36 - 19+41 LT HARTBROOK 25 20+84 - 20+89 LT HARTBROOK 25	18+58 18+74 LT	16
TOTAL 51 51		22+70 - 22+94 LT HARTBROOK 25 10	00 40+72 41+25 LT/RT 41+15 41+25 LT/RT	100
MOBILIZATION EROSION CONTROL MOBILIZATIONS MOBILIZATIONS	EROSION CONTROL	23+75 - 23+80 LT HARTBROOK 25 24+75 - 25+06 LT HARTBROOK 1:	1,360 8	31 140 16 36
MOBILIZATIONS MOBILIZATIONS EROSION EMERGENCY CONTROL EROSION CONTROL	DUST CONTROL INLET PROTECTION SILT SILT FENCE TREATMENT WATER TYPE D TYPE B FENCE MAINENANCE		50 16	
628.1905 628.1910	623.0200 624.0100 628.7020 628.7010 628.1504 628.1520			
DESCRIPTION EACH EACH STATION TO STATI		\neg		
HARTBROOK DR. 2 1 10+62 - 41+6 TOTALS 2 1 TOTALS				
CONCRETE CURB AND GUTTER	REMOVING CURB AND GUTTER	_		
CONCRETE CURB AND GUTTER 30				
IN TYPE D	AND GUTTER			
601.0411 STATION TO STATION OFFSET LOCATION LF	204.0150 STATION TO STATION LT/RT LOCATION LF			T
10+97 - 11+01 RT HARTBROOK DR. 4	10+97 - 11+01 RT HARTBROOK DR. 4	\neg		SAWCUTS SAWING SAWING
11+78 - 11+83 RT HARTBROOK DR. 5 12+79 - 12+83 RT HARTBROOK DR. 4	11+78 - 11+83 RT HARTBROOK DR. 5 12+79 - 12+83 RT HARTBROOK DR. 4	T		ASPHALT CONCRETE 690.0150 690.0250
13+21 - 13+25 RT HARTBROOK DR. 4	13+21 - 13+25 RT HARTBROOK DR. 4	REMOVING CONCRETE SIDEWALK REMOVING	TRAFFIC CONTROL TRAFFIC	STATION TO STATION LT/RT LF LF
13+84 - 13+88 RT HARTBROOK DR. 4 14+80 - 15+69 LT HARTBROOK DR. 89	13+84 - 13+88 RT HARTBROOK DR. 4 14+80 - 15+69 LT HARTBROOK DR. 89	CONCRETE SIDEWALK	TRAFFIC CONTROL	10+62 - 10+62 LT/RT 39 MAFFIC
17+29 - 17+33 RT HARTBROOK DR. 4	14+80 - 15+69 LT HARTBROOK DR. 89 17+29 - 17+33 RT HARTBROOK DR. 4	204.0155	TRAFFIC CONTROL SONVEILLANDE TRAFFIC CONTROL WARNING AND TRAFFIC CO CONTROL BARRICADES LIGHTS MAINTENANCE CONTROL DE	NTROL 1000 BT
18+37 - 18+57 LT HARTBROOK DR. RADIUS 35 18+91 19+08 LT HARTBROOK DR. RADIUS 27	18+37 - 18+57 LT HARTBROOK DR. RADIUS 35	STATION TO STATION LT/RT LOCATION SY 16+02 16+07 LT HARTBROOK 3	DRUMS TYPE 3 TYPE C (PROJECT) DETOUR S	IGNS 11+78 - 11+83 RT 5
18+91	18+91	18+34 18+53 LT HARTBROOK 16		3.3000 12+79 - 12+84 RT 5 DAY 13+20 - 13+25 RT 5
TOTAL 181	TOTAL 181	그	HARTBROOK DRPHASE 1 1500 60 60	13+84 - 13+89 RT 5
		11		679 14+79 - 15+68 LT 5 427 16+03 - 16+08 LT 10
		22+70 - 22+94 LT HARTBROOK 14	HARTBROOK DR 2713-00-70 32	17+30 - 17+35 RT 5
		23+75 - 23+80 LT HARTBROOK 3 24+75 - 25+06 LT HARTBROOK 17	TOTAL 1500 242 242 32 1	11106 18+34 - 18+57 LT 15 18+58 - 18+90 LT 32
		TOTAL 69		18+90 - 19+14 LT 10
			CONSTRUCTION STAKING	19+36 - 19+41 LT 10
			CONSTRUCTION CONSTR	20+84 - 20+89 LT 10 LUCTION 22+70 - 22+94 LT 10
			CONSTRUCTION STAKING CONSTRUCTION STAKING STAK STAKING BASE SUPPLEMENTAL CURB RAMPS CONC	KING 23+75 - 23+80 LT 10
			CONTROL (PROJECT) SIDEV	NALK 24+75 - 25+06 L1 10 10 10 10 10 10 10 10 10 10 10 10 10
			650.5000 650.9910 SPV.0060.02 SPV.0	41+04 - 41+04 KI 24
			TATION TO STATION LF LS EACH LS 10+62 - 41+68 3,106	S 41+68 - 41+68 LT 27 TOTALS 138 125
			10+62 - 41+68 3,106 10+62 - 41+68 1 2 1	
			3,106 1 2 1	
	1			
MOBILIZATION MOBILIZATION	ADJUSTING MANHOLE COVERS ADJUSTING	MISCELLANEOUS ITEMS FIELD OFFICE INCENTIVE DENSITY		
PROJECT ID DESCRIPTION 619.1000	MANHOLE COVERS 611.8110	TYPE B HMA PAVEMENT PROJECT ID 642.5001 460.2000		
EACH	OFFSET RT/LT DESCRIPTION EACH COMMENTS	EACH DOL		
TOTAL 1 18+81 HARTBROOK DR.	2. 21 LT STM MH 1 - TOTAL 1	HARTBROOK DRIVE 2,500 2,500		
	IUIAL 1	TOTAL 1 2,500		
PROJECT NO: 2713-00-70	HARTBROOK DRIVE COUNTY	: WAUKESHA MISCEL	LLANEOUS QUANTITIES	SHEET

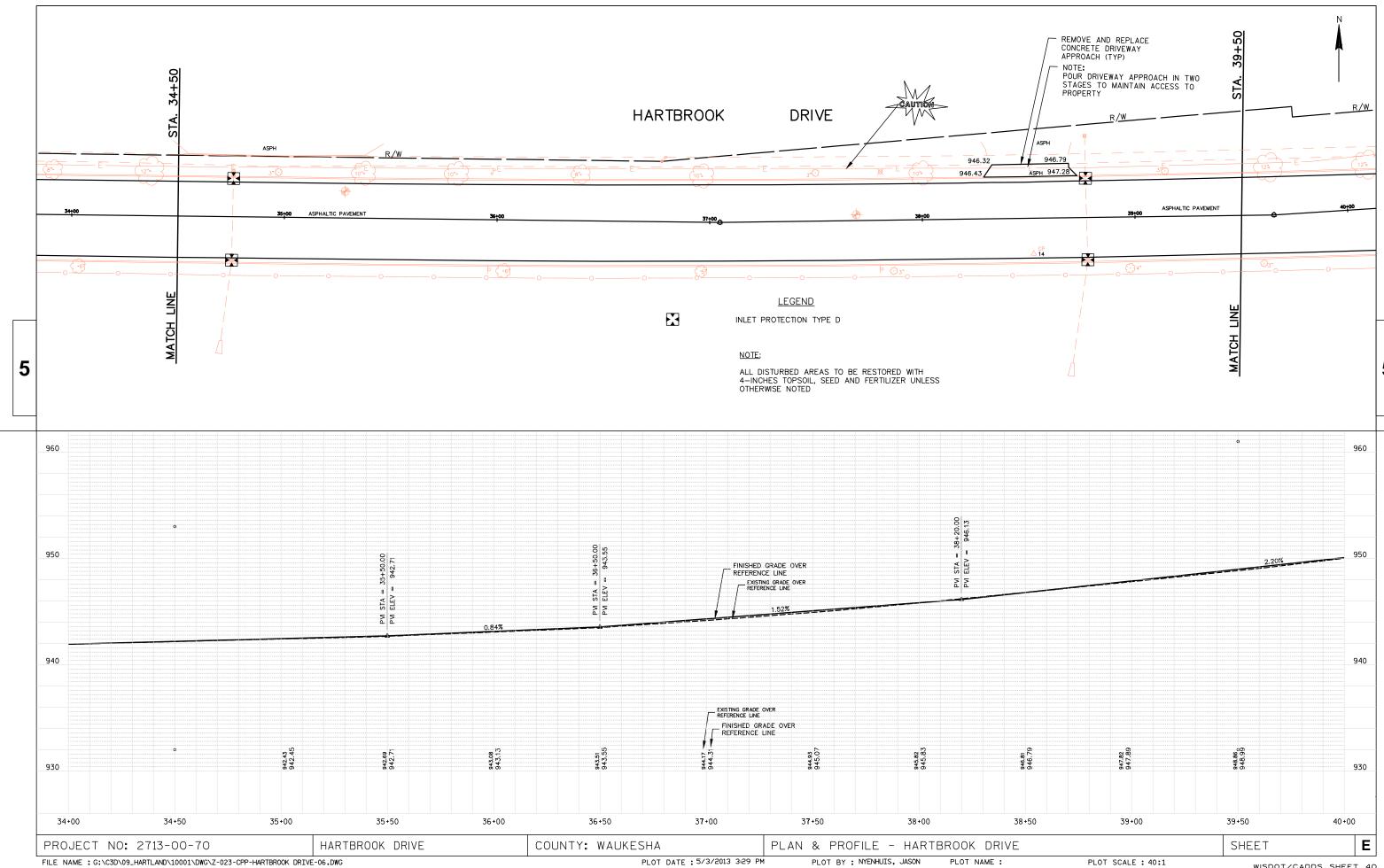


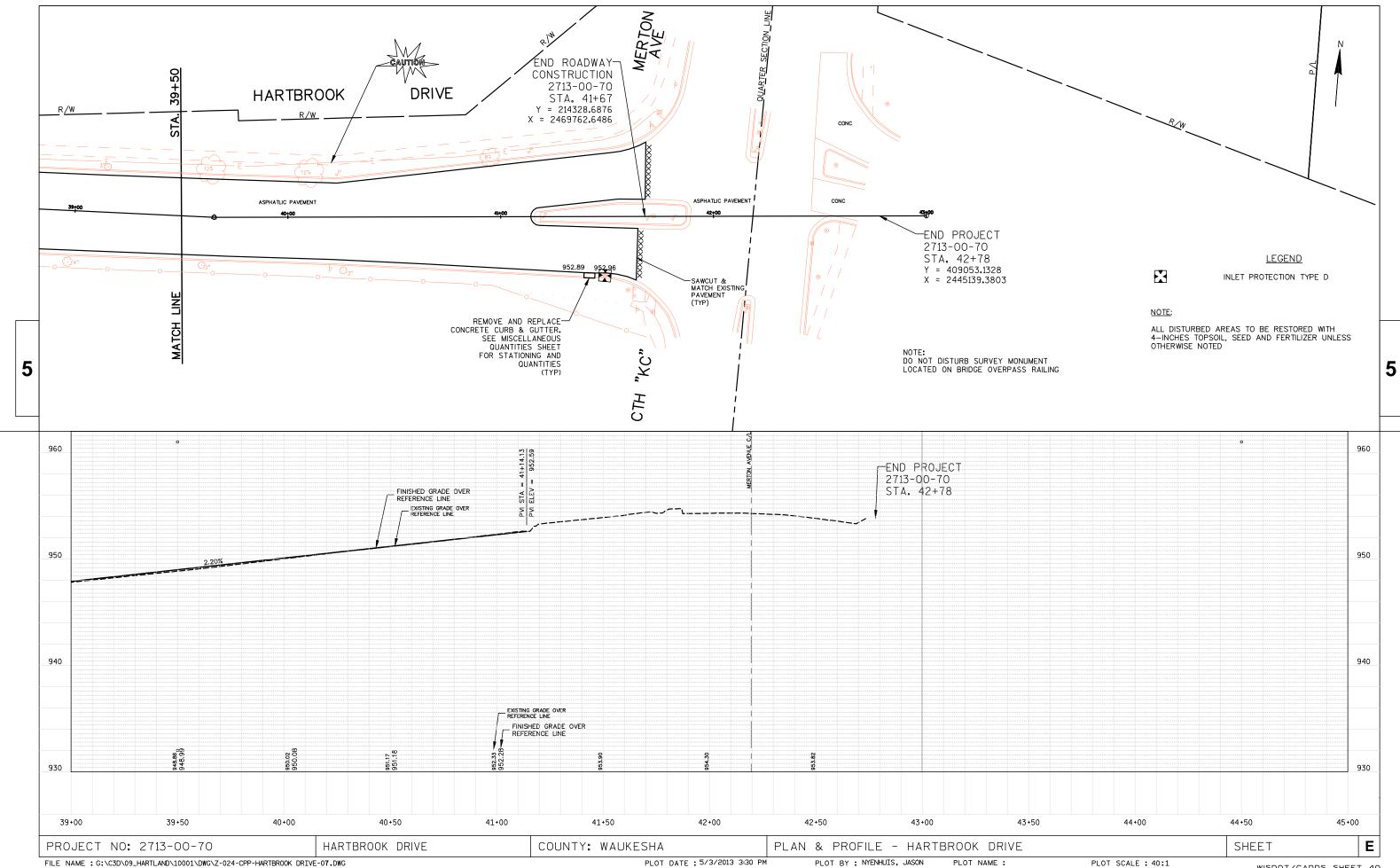






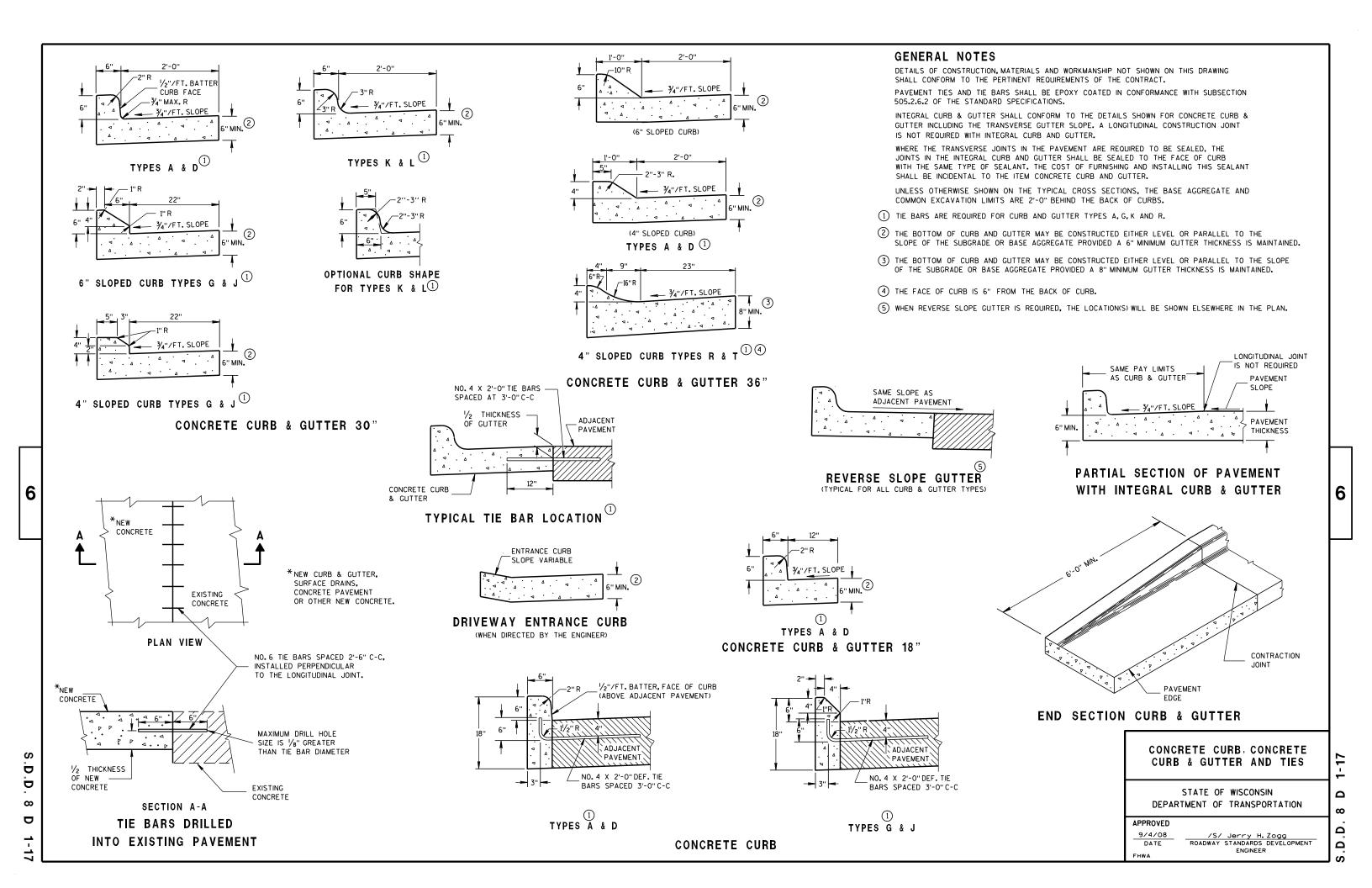


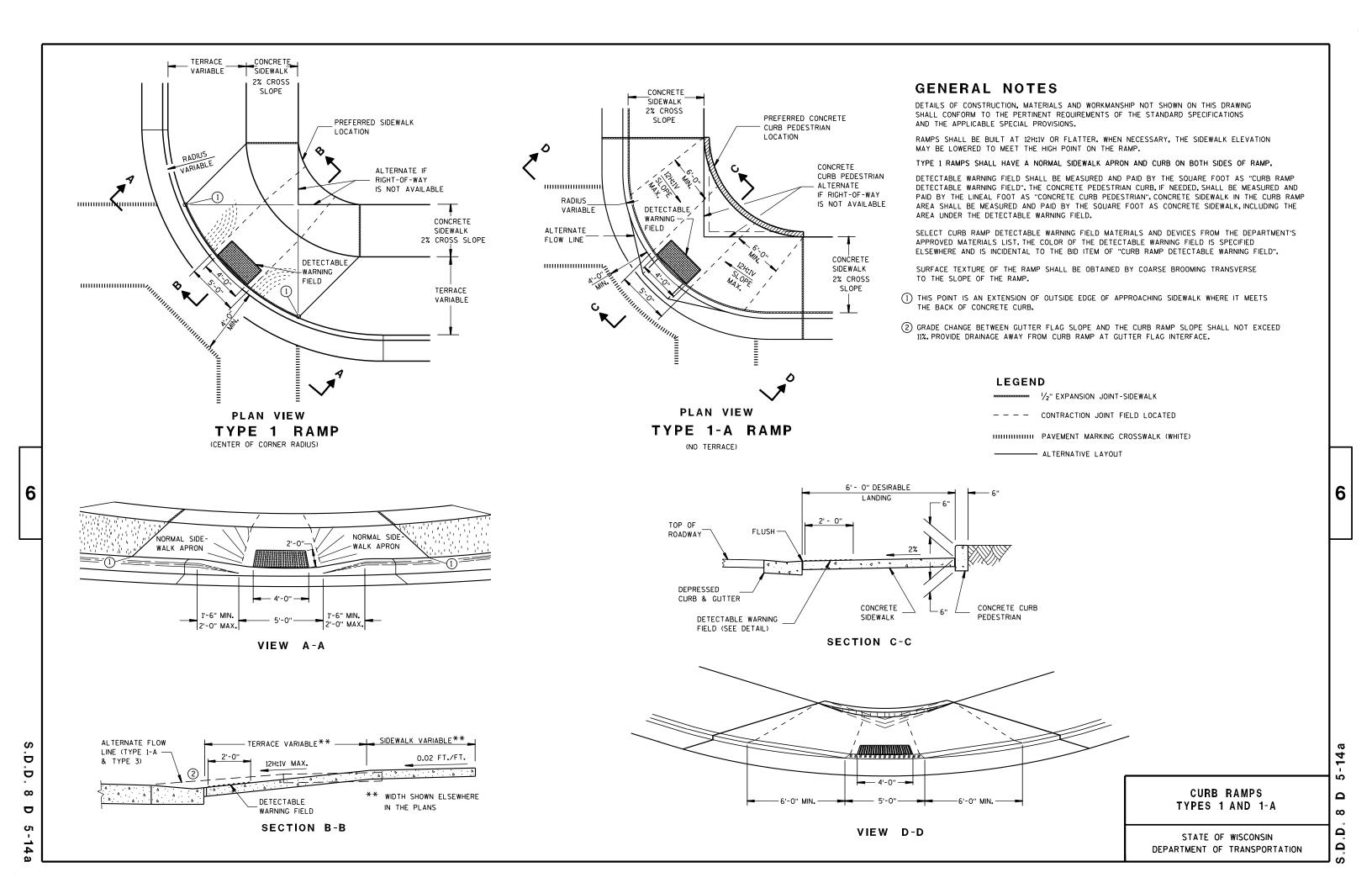


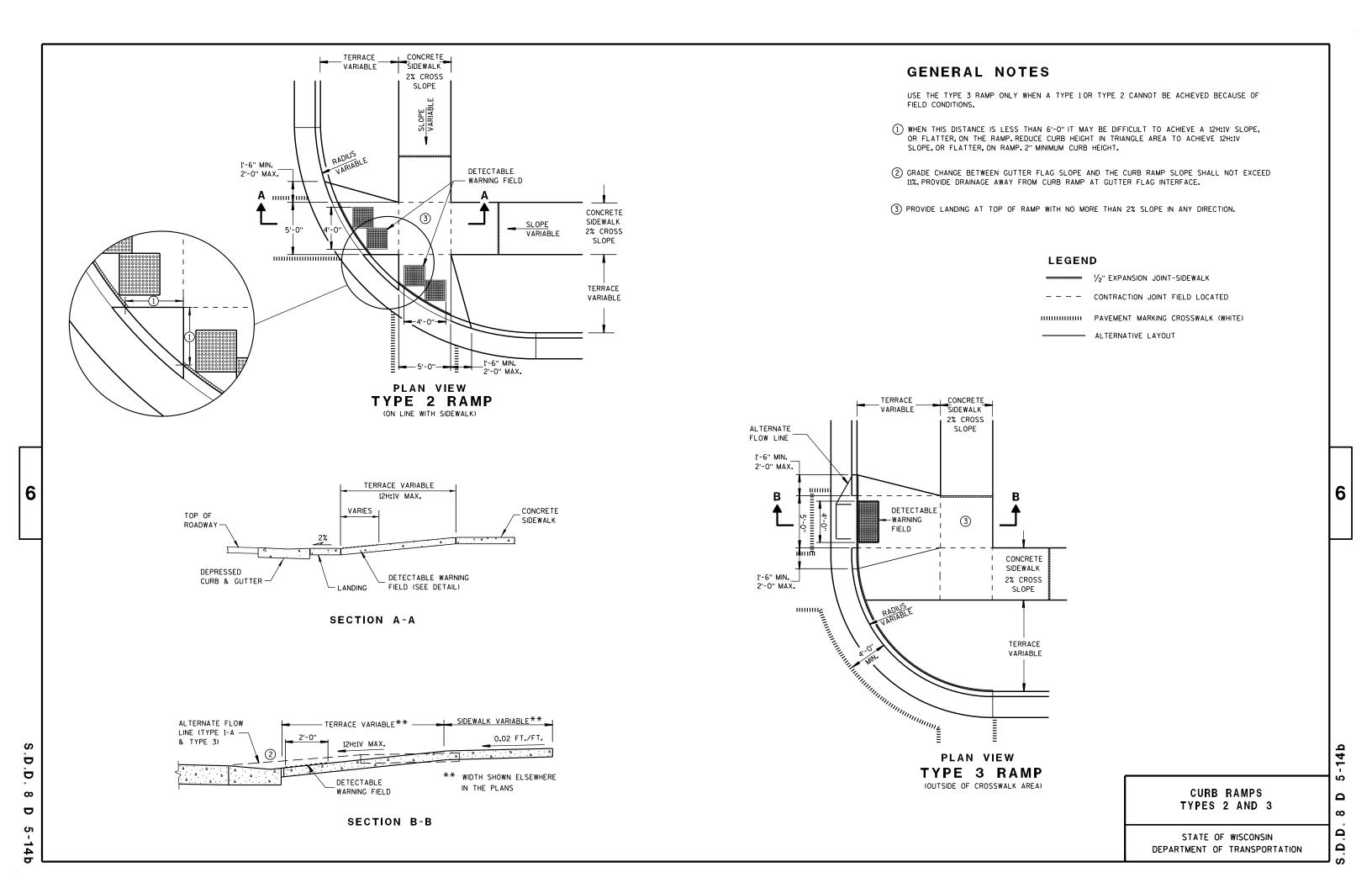


Standard Detail Drawing List

08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-14A	CURB RAMPS TYPES 1 AND 1-A
08D05-14B	CURB RAMPS TYPES 2 AND 3
08D05-14C	CURB RAMPS TYPE 4A
08D05-14D	CURB RAMPS TYPE 4B
08D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE



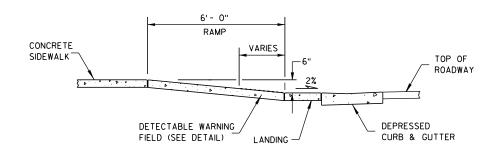




RADIUS POINT OF

CURB RETURN

CURB RAMP TYPE 4A PLAN VIEW



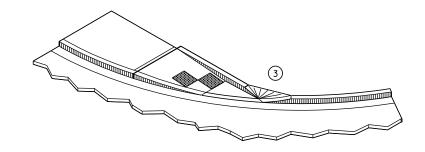
SECTION B-B

RADIUS \boldsymbol{X} \boldsymbol{Y} (AT CURB FACE) 20 FEET 6'-13/4" 2'-71/4" 30 FEET 7'-113/4'' 4'-81/4" 40 FEET 9'-51/4" 6'-5" 50 FEET 10'-8¾" 7'-11'/4" 60 FEET 11'-10'/4" 9'-31/2"

INTERMEDIATE RADII CAN BE INTERPOLATED

CONCRETE SIDEWALK CONCRETE CURB & GUTTER

SECTION A-A



GENERAL NOTES

DO NOT MARK TRANSITION NOSE.

OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

3 INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.)

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER

ISOMETRIC VIEW

CONCRETE CURB PEDESTRIAN 6" VARIES O TO 6" ROADWAY CONCRETE RAMP CURB & GUTTER

SECTION C-C

LEGEND

1/2" EXPANSION JOINT-SIDEWALK

--- CONTRACTION JOINT FIELD LOCATED

HIHHHHHH PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A

6

5-14c

Ω

ω .Ω

Ω

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

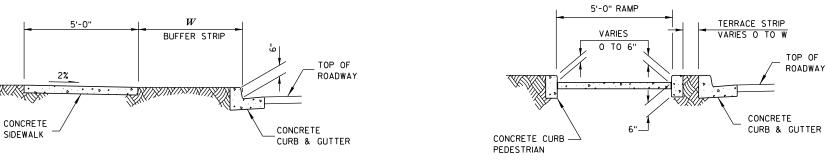
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

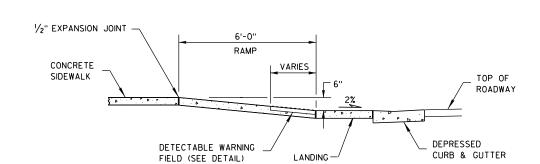
SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

RADIUS	W =	3'- 0"	W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"	
(AT CURB FACE)	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-51/2"	4'-6 ¹ /2"	4'-81/2"	6'-0"	4'-1"	7'-23/4"	3'-7"	8'-31/2"	3'-11/2"	9'-2 ¹ / ₂ "
30 FEET	7'-3¾"	7'-1"	6'-51/2"	8'-111/2"	5'-91/4"	10'-7"	5'-2 ¹ / ₂ "	12'-0"	4'-8¾"	13'-31/4"
40 FEET	8'-91/2"	9'-2 ¹ / ₂ "	7'-10''	11'-5'/4"	7'-1"	13'-41/2"	6'-5¾"	15'-3/4"	5'-111/2"	16'-7 ¹ /4"
50 FEET	10'-3/4''	11'-3/4"	9'-1/4"	13'-71/4"	8'-21/2"	15'-91/2"	7'-61/2"	17'-9"	6'-113/4"	19'-6'/4"
60 FEET	11'-2'/2"	12'-8¾"	10'-3/4"	15'-61/2"	9'-21/4"	17'-11¾"	8'-5¾"	20'-13/4"	7'-101/2"	22'-11/2"
70 FEET	12'-2¾"	14'-3'/4"	11'-1/4"	17'-4"	10'-1"	19'-11¾"	9'-3¾''	22'-41/4"	8'-81/4"	24'-6'/4"
80 FEET	13'-2"	15'-81/2"	11'-101/2"	18'-11¾"	10'-10¾"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾''
90 FEET	14'- 1/2"	17'-1/2"	12'-8'/4"	20'-6 ¹ / ₂ "	11'-7¾4''	23'-7"	10'-9¾''	26'-3¾''	10'-1'/4"	28'-91/2"
100 FEET	14'-101/2"	18'-3¾''	13'-51/2"	22'-0"	12'-4 ¹ / ₄ "	25'-2¾''	11'-5¾''	28'-11/2"	10'-9"	30'-9"

INTERMEDIATE RADII CAN BE INTERPOLATED

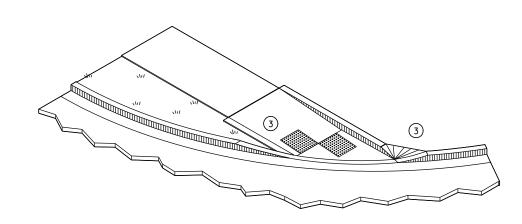
SECTION C-C





SECTION A-A

SECTION B-B



ISOMETRIC VIEW

LEGEND

TOP OF

ROADWAY

1/2" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

HIHIHIHIH PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B

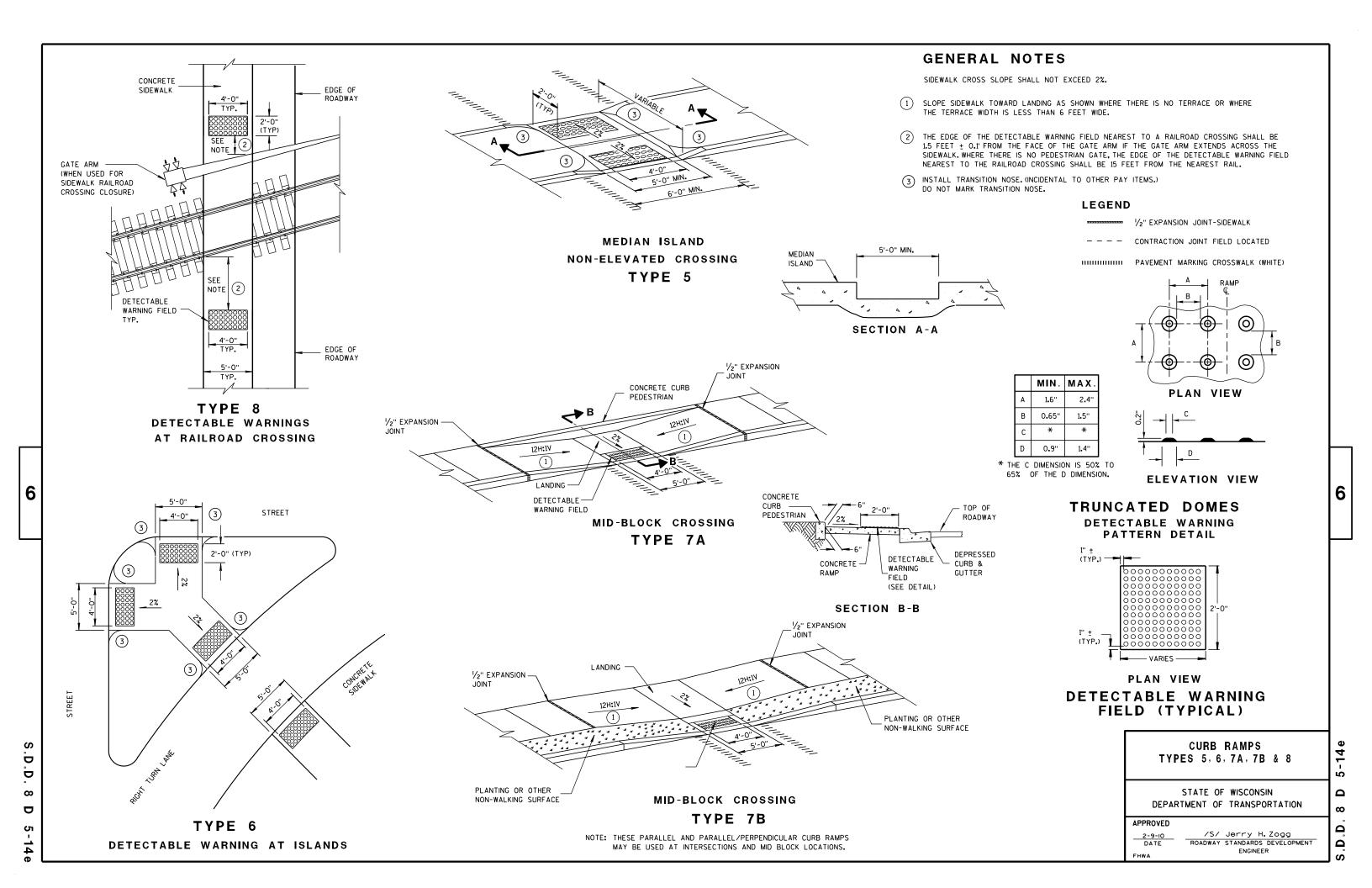
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

6

6

Ö Ū

5-14d Ω ∞ Ω ۵



TYPICAL APPLICATION OF SILT FENCE

6

b

Ō

Ш





PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

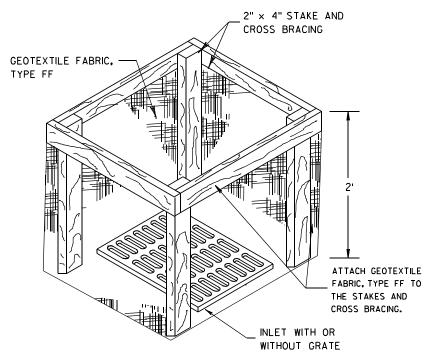
(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

တ ∞





INLET PROTECTION, TYPE A

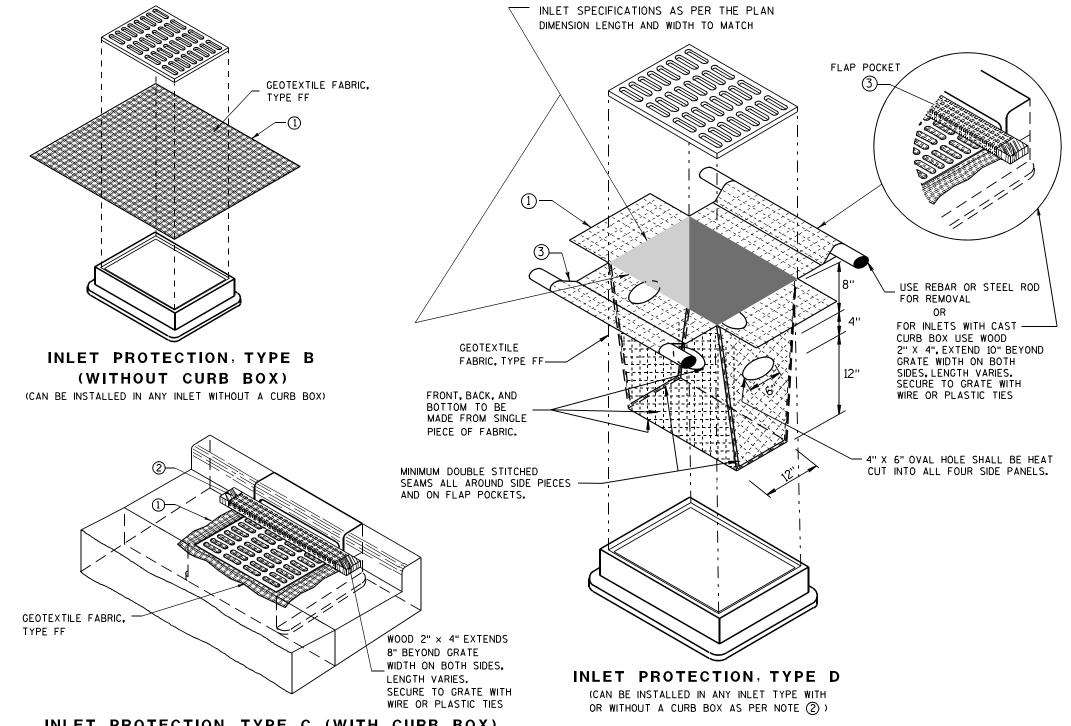
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

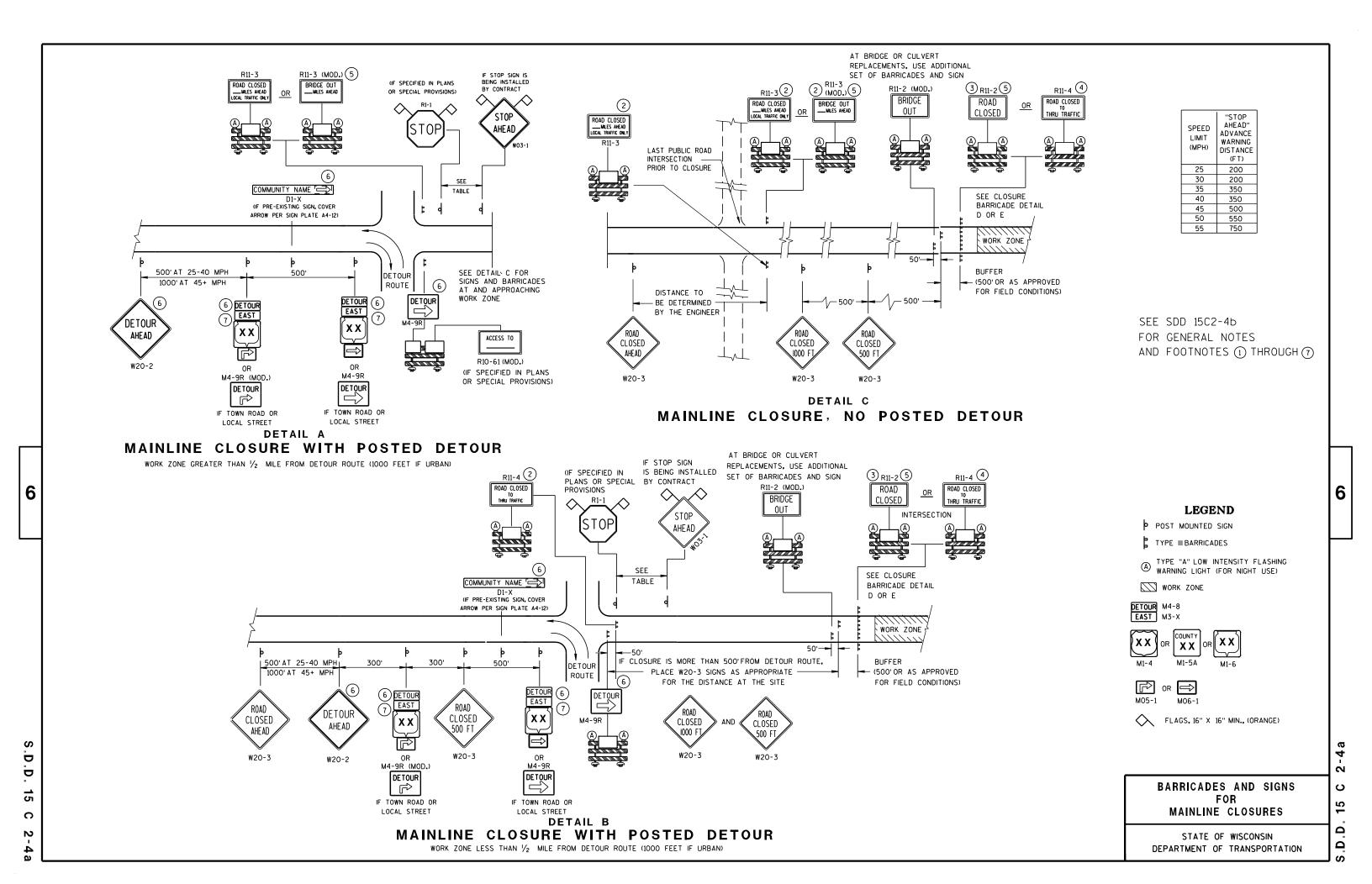
10/16/02

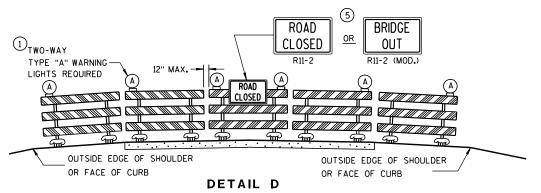
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

0

ш

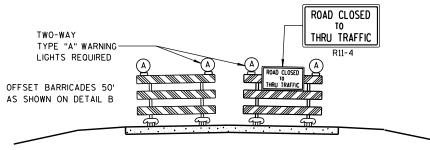
 ∞





ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".

M4-9 SHALL BE 30" X 24".

M3-X AND M4-8 SHALL BE 24" X 12" (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX.8-FOOT LIGHT SPACING).
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN, USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

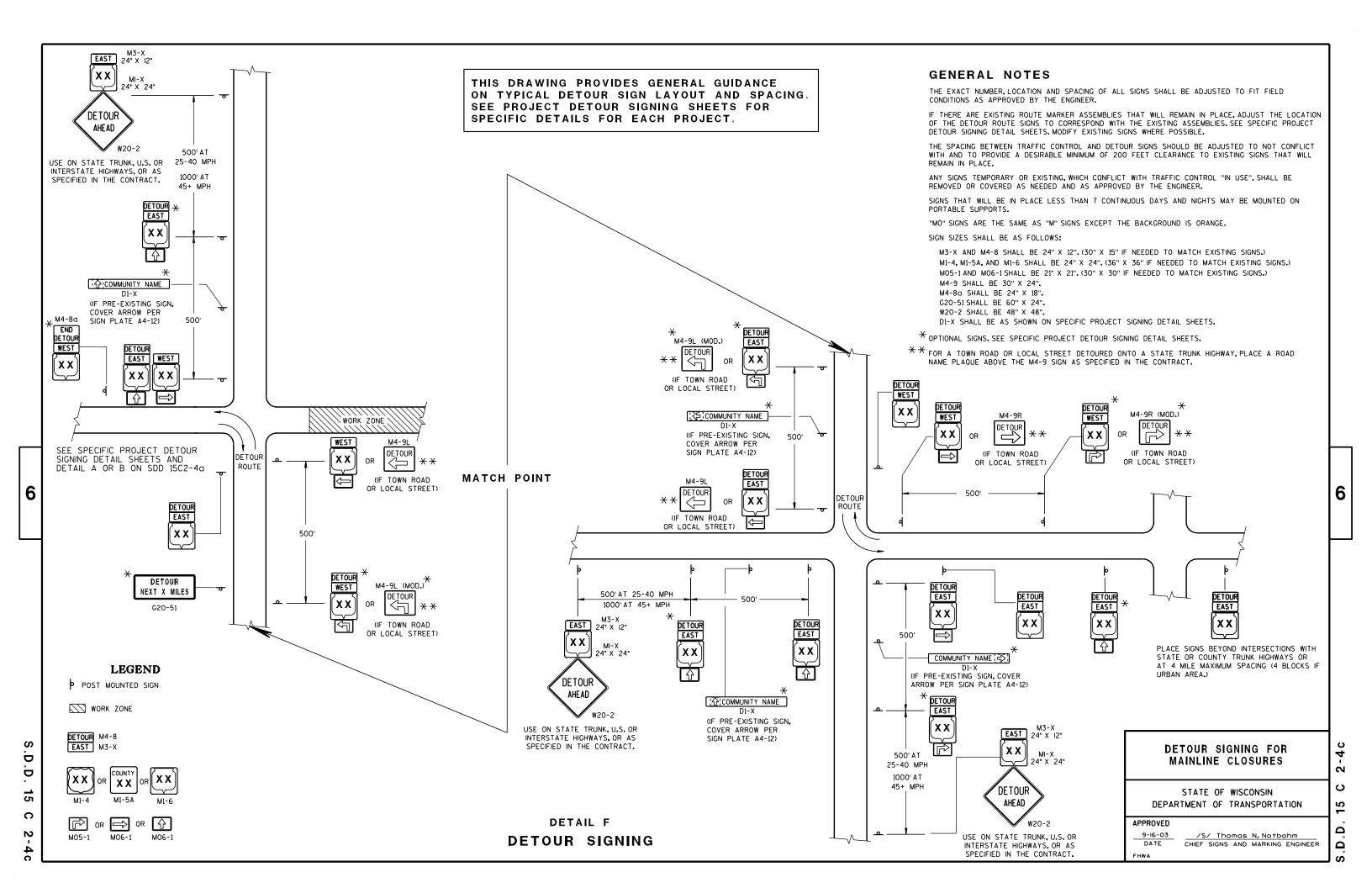
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Thomas N. Notbohm
CHIEF SIGNS AND MARKING ENGINEER

2 Ω

6



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500'MAX.OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

POST MOUNTED WARNING SIGN

TYPE III BARRICADES

(A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

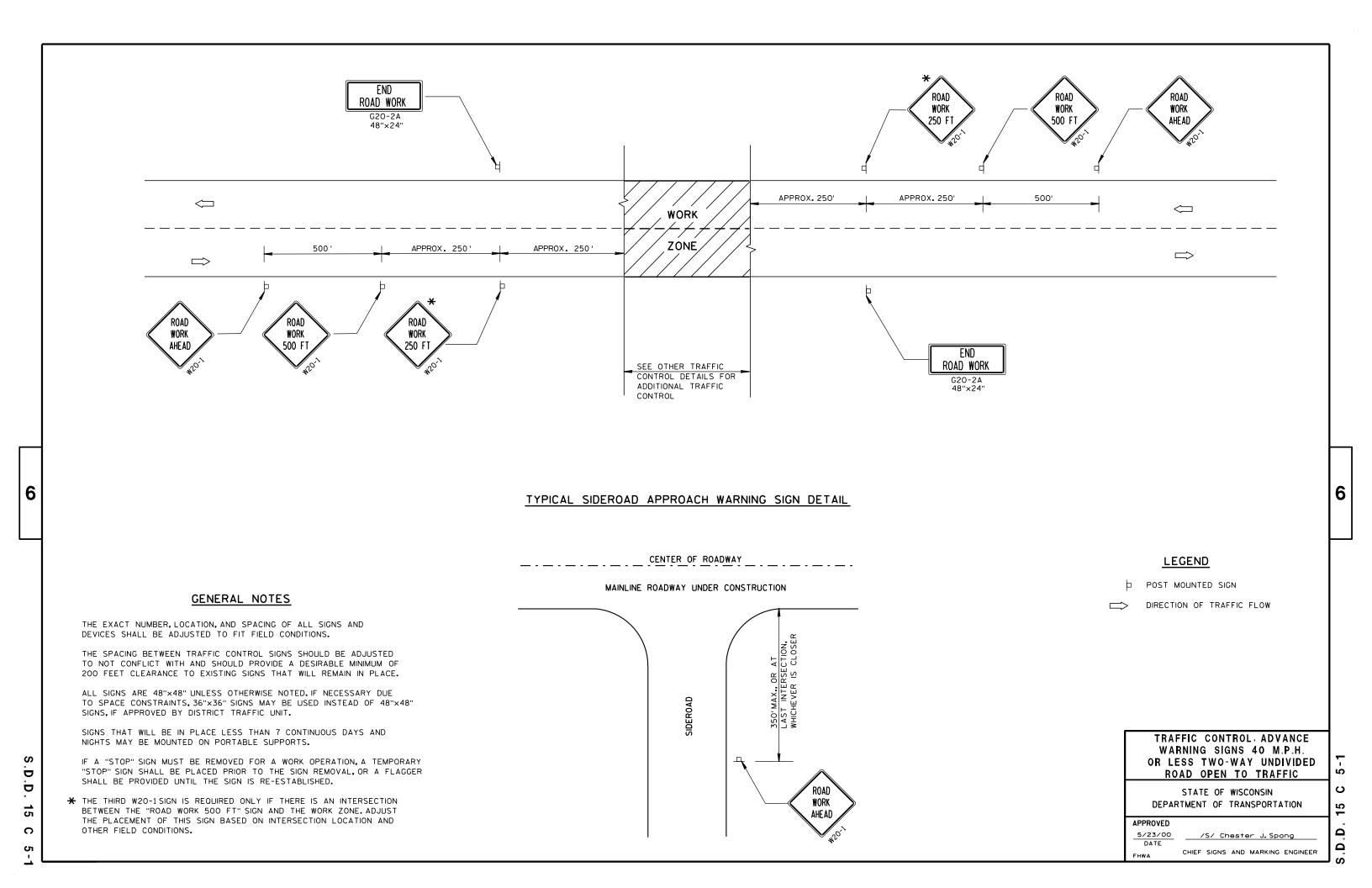
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

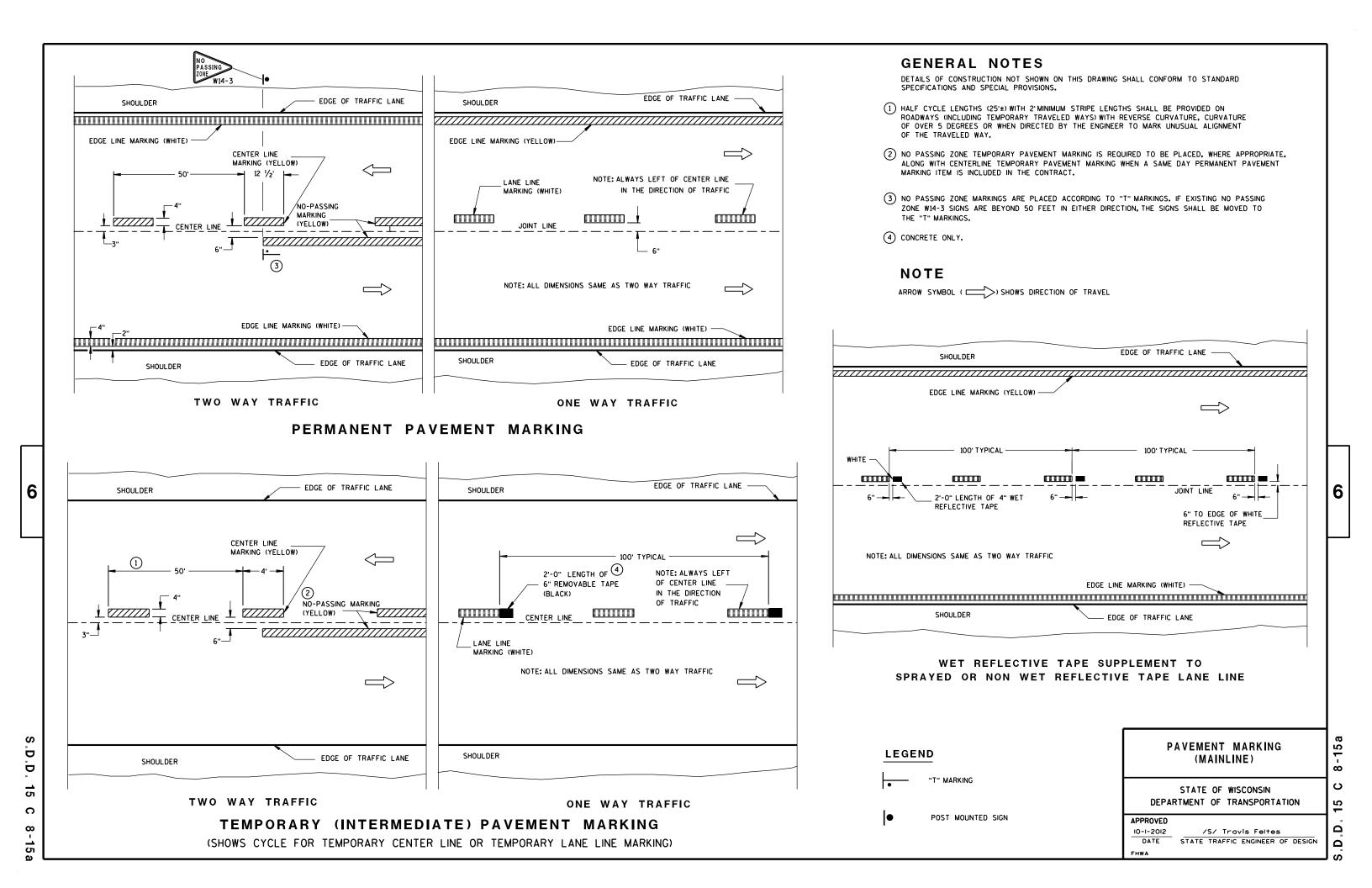
APPROVED

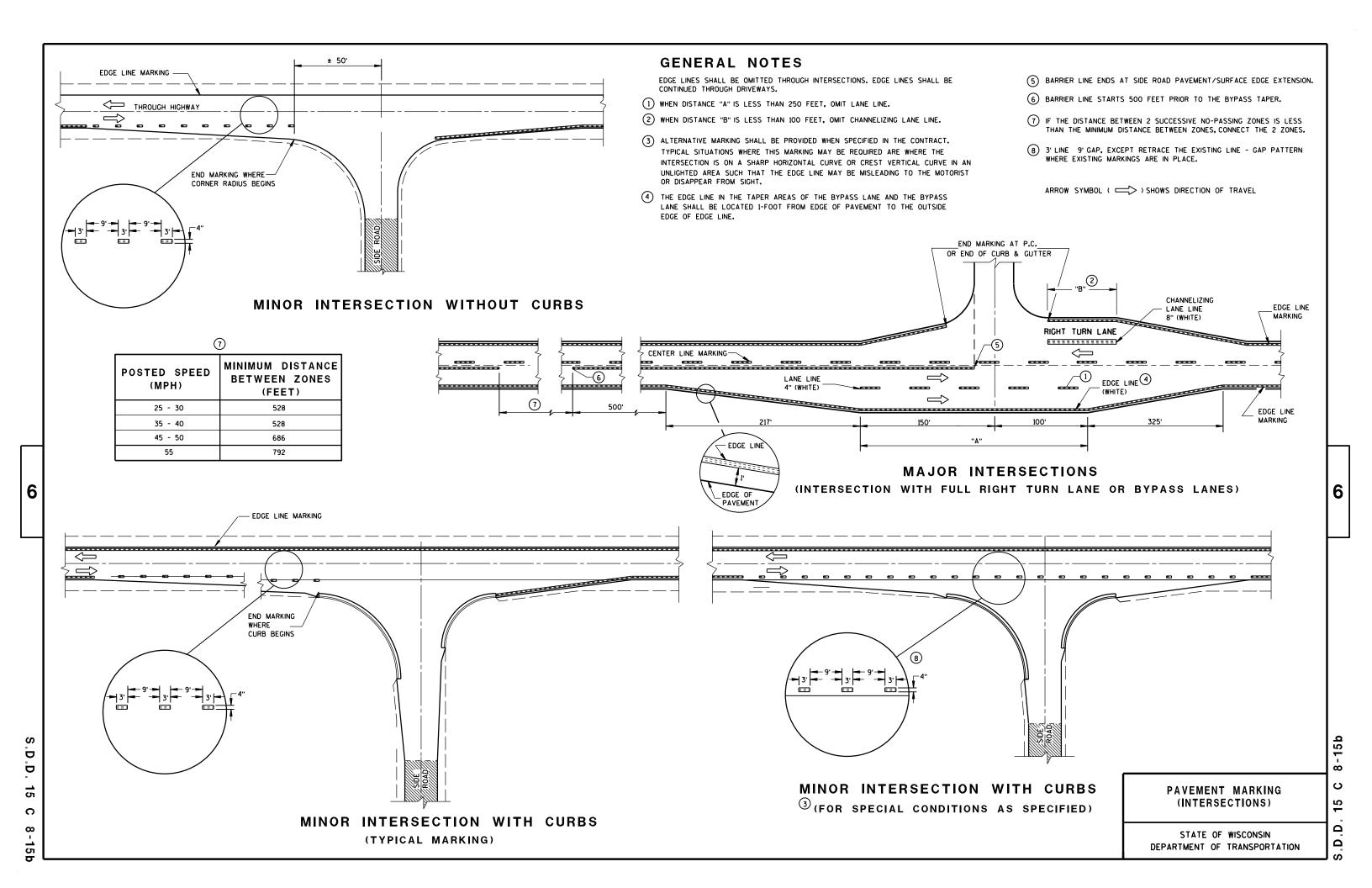
9-16-03
DATE CHIEF SIGNS AND MARKING ENGINEER

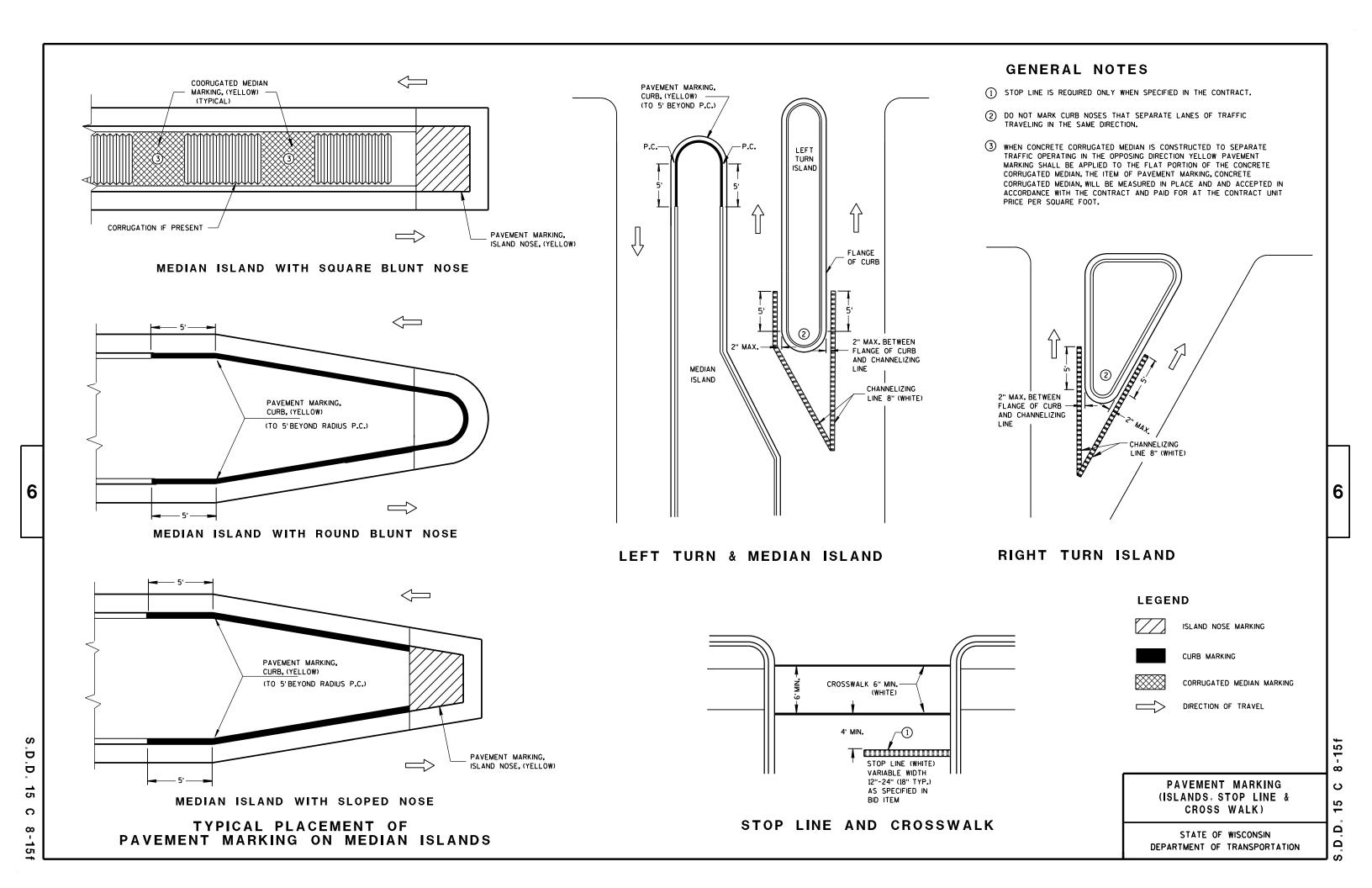
.D. 15 C 3-1

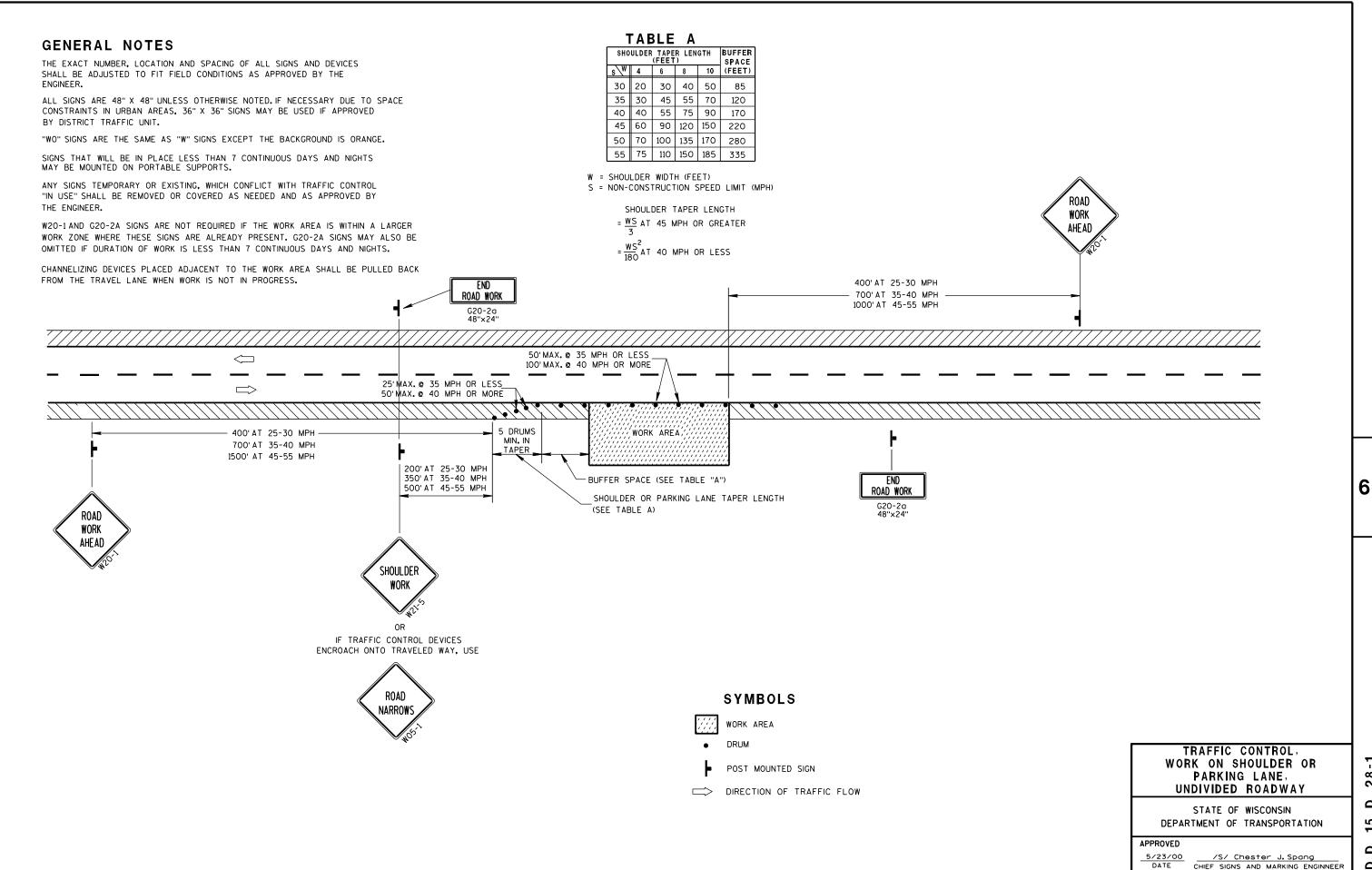
6











6

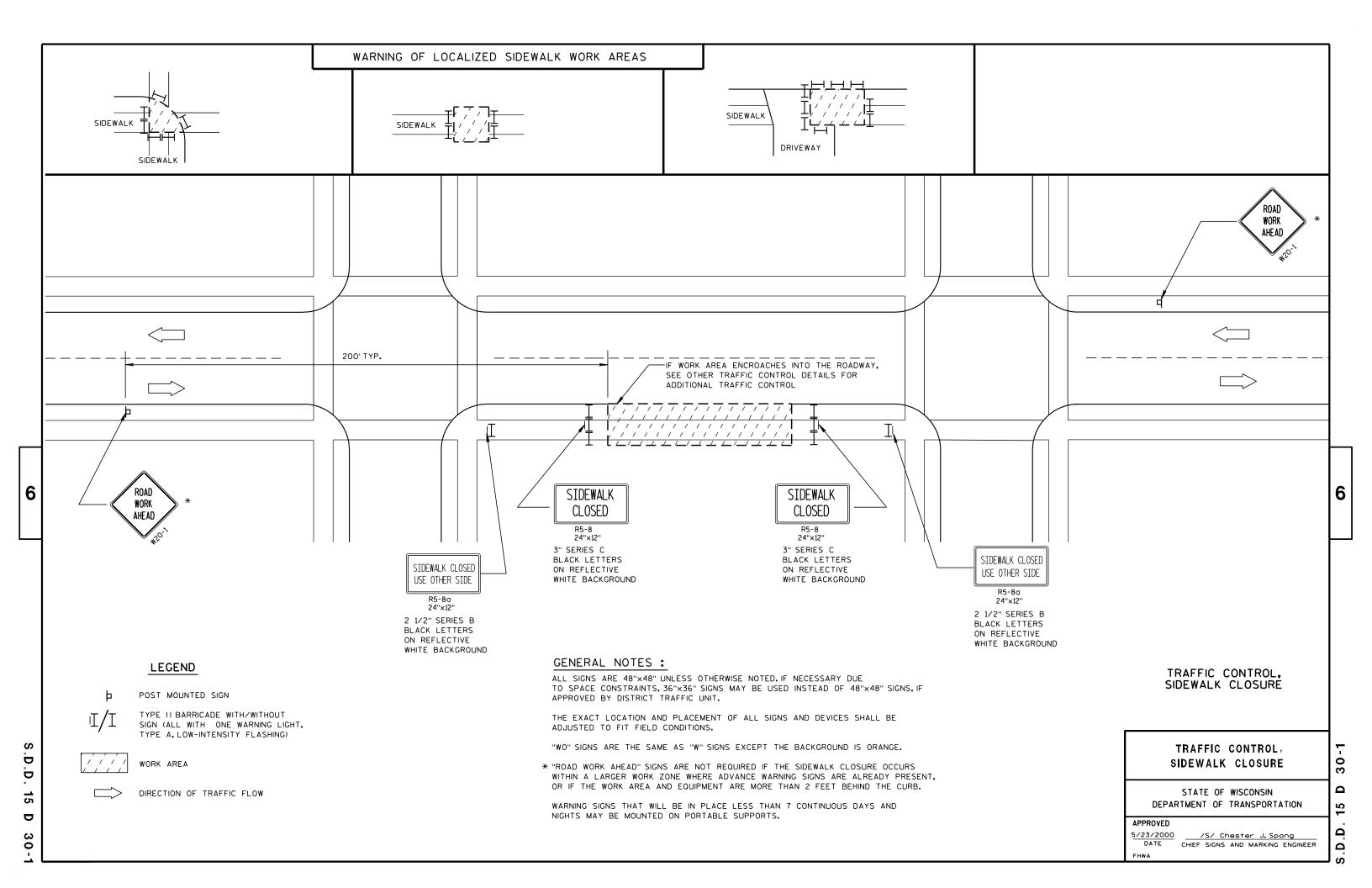
Ö

Ō

D

Ω S

N Ω



Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov